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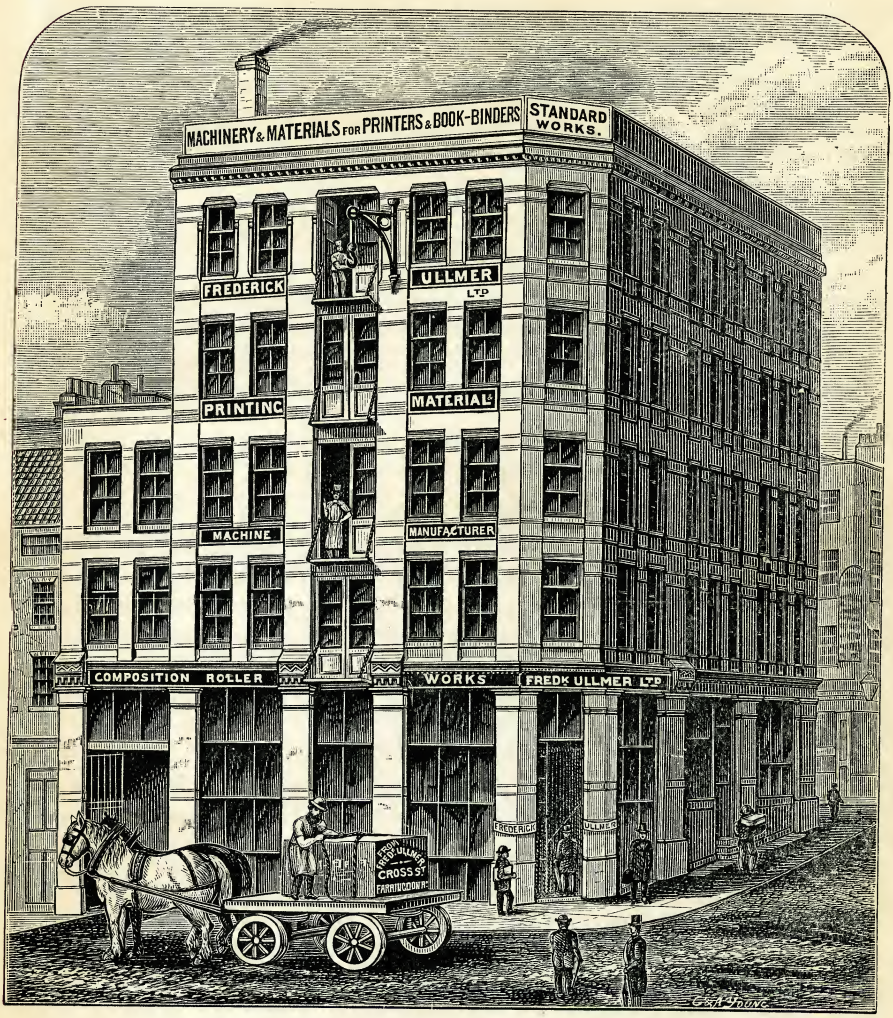
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Empties, Goods in Exchange, &c. Boxes are credited at prices charged if returned within 21 days from receipt, and delivered free at our Works. No boxes, old metal, or other goods in exchange will be received without being previously advised by post.

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FREDK. ULLMER, LTD.,
"Standard" Works,
CROSS STREET,
FARRINGDON ROAD,
LONDON, E.C.

OUR BANKERS ARE
THE UNION BANK OF LONDON,
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REVISED

Illustrated Price List

OF

New Machinery and Materials

FOR

LETTERPRESS PRINTERS, LITHOGRAPHERS,

BOOKBINDERS AND STATIONERS.

REGISTERED TRADE MARK.



ESTABLISHED 1825.

FREDK. ULLMER, LTD.,

"Standard" Works,

CROSS STREET, FARRINGDON ROAD, LONDON, E.C.

Registered Telegraphic Address: "COMPOSITION, LONDON."
Telephone (National): HOLBORN, 4607.

ENTERED AT STATIONERS' HALL, MAY, 1902.

"STANDARD" WORKS, LONDON.

May, 1902.

OUR thanks are due to all our friends who have from time to time favoured us with their esteemed orders, and have thereby helped us to build up a business known in all parts of the world.

We trust this Revised Illustrated List of New Machinery and Materials which we now place in their hands will be found mutually helpful, and will tend to increase the intercourse we have enjoyed for such a long period with so many of the leading houses in the Trade, town, country, and export. The Printer will find in this List most things that he may require to make his office complete and up-to-date —from a Bodkin to a Fine Art Machine, and no effort shall be spared on our part to despatch with promptitude and care all orders entrusted to us.

We have added very considerably to our Manufacturing Departments since the last List was issued. Specially adapted machinery has been laid down in our Joinery Department for making Cases, Frames, Cabinets, Racks, Furniture, Reglet, &c., and the quality of goods turned out by us is, we believe, second to none in the market. Our Roller Department, too, has been equipped with specially constructed plant, and our Rollers are made by an improved method which gives a beautiful and smooth surface.

In the Brass Rule, Galley, and other Departments, we have endeavoured to keep pace with the growing demand for good quality at the cheapest possible figure.

We have remodelled the "Standard" Improved Cylinder Machine, and the price will be found lower than any other well-finished machine in the Trade; with balance flyers, good inking, specially ground cylinders and ink duct, and cut gearing throughout.

A large stock of Machinery and Materials is always kept ready in the warehouse and can be despatched promptly.

In addition to new goods we have usually on hand a good and reliable stock of Second-hand Cylinder and Platen Machines, Presses, Cutting Machines, &c., which have been taken in exchange. These are thoroughly overhauled on the premises and tested before being despatched, and can be recommended. We send out no machine we cannot guarantee to be in good working order.

As well as our own specialities we are able to supply New Type from all the leading founders at their prices and terms, and a copy of our Type Catalogue, containing between two and three thousand different faces, borders, ornaments, &c., will be sent on application.

We keep a special staff of Engineers, competent and experienced, to undertake all classes of Repairs to Gas Engines, Motors, Machines, Presses, &c., and also for Removals of Plant.

The Engravings in this List indicate the general feature of the article they represent, but are not always binding as to details, as occasionally alterations in patterns, &c., for improvements are made after the List has been issued.



ALL PREVIOUS ILLUSTRATED LISTS CANCELLED.

Fredk. Ullmer, Ltd.

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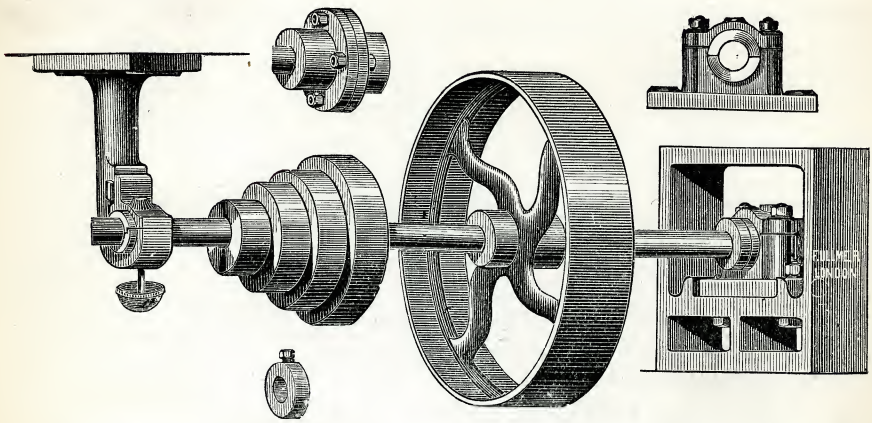
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Repairs, Removals, Shafting, &c.

REPLANING MACHINE TABLES. FIXING GUARDS TO MACHINES.



ENGINEERING DEPARTMENT.

We undertake Repairs, Removals, and Breakdown Jobs.

Our Planing Machines, Lathes, Drilling Machines, &c., are of the Best Kind.

You may rely on us to Serve You Well.

WHEN you have a breakdown on your Machines, or repairs are wanted, send to us at once. We have a staff of thoroughly competent and experienced hands for that class of work, and we will serve you honestly and well, and save you money.

ESTABLISHED NEARLY A CENTURY.

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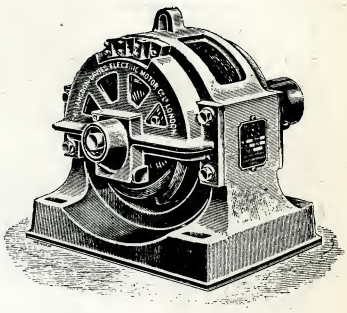
"Standard" Engineering Works,
Cross Street, Farringdon Road,
LONDON, E.C.

Alternate Current Single Phase Electric Motors

FOR DRIVING ALL KINDS OF MACHINERY.

THE FOLLOWING ADVANTAGES are claimed for the Langdon-Davies Patent Single Phase Alternate Current Motors:—

1.—They are self-starting.
2.—They are self-starting without taking a current larger than that taken when running at full load.
3.—They are very simple in construction, and not liable to get out of order.
4.—They have no brushes, commutators, or collecting rings, the presence of which in other motors necessitates constant attention and frequent repairs
5.—The whole of the circuits in the Motor through which the currents pass being permanently closed, there is no sparking, which latter is a source of danger in mines, &c., and the absence of which lessens insurance risks everywhere.
6.—They require no skilled attention whatever.
7.—They are started and stopped by simply turning a switch.
8.—The cost is low.
9.—The power factor is high, which, though comparatively unimportant to the user, is of importance to the Supply Company.



PRICES AND SPEEDS.

The Prices quoted below include Starting Resistance Switch and Pulley, complete, ready for running.

STANDARD PATTERN MOTORS.

Brake H.P.	PRICE. £ 100 Volts	PRICE. £ 200 Volts	Approximate Full-Load Speed per Minute at Periodicities between			Pulleys Inches. Diam.	Pulleys Inches. Face
			40 - and 50 -	51 - & 69	70 - and 100 -		
Half - -	15 0 0	7 0 0	2150 ,, 2700	For Prices and Speeds of Motors for these Periodicities, see Special Low Speed Price List.	1900 ,, 2700	2	4
One - -	20 0 0	22 10 0	2200 ,, 2750		1950 ,, 2750	2	4
Two - -	30 0 0		2200 ,, 2750		1950 ,, 2750	3	6
Three -	35 0 0		2250 ,, 2800		2000 ,, 2800	3	6
Four -	40 0 0		2250 ,, 2800		2000 ,, 2800	4	6
Six - -	60 0 0		2250 ,, 2800		2000 ,, 2800	4	8
Nine - -	80 0 0		40 - and 60 - 1150 ,, 1700		61 - and 100 - 1150 ,, 1900	6	8
Twelve -	100 0 0		1150 ,, 1700		1150 ,, 1900	9	9

SPECIAL LOW SPEED PATTERN MOTORS.

Brake H.P.	PRICE. £ 100 Volts	PRICE. £ 200 Volts	Approximate Full-Load Speed per Minute at Periodicities between		Pulleys Inches. Diam.	Pulleys Inches. Face
			40 - and 69 -	70 - and 100 -		
Half - -	20 0 0	22 10 0	1100 ,, 1900	1250 ,, 1800	3	6
One - -	30 0 0	32 10 0	1100 ,, 1900	1250 ,, 1800	3	6
Two - -	40 0 0		1100 ,, 1900	1250 ,, 1800	3	6
Three -	50 0 0		1150 ,, 1950	1300 ,, 1900	4	6
Four - -	60 0 0		1150 ,, 1950	1300 ,, 1900	4	8
Six - -	80 0 0		1150 ,, 1950	1300 ,, 1900	4	8

LARGER SIZES QUOTED FOR ON APPLICATION.

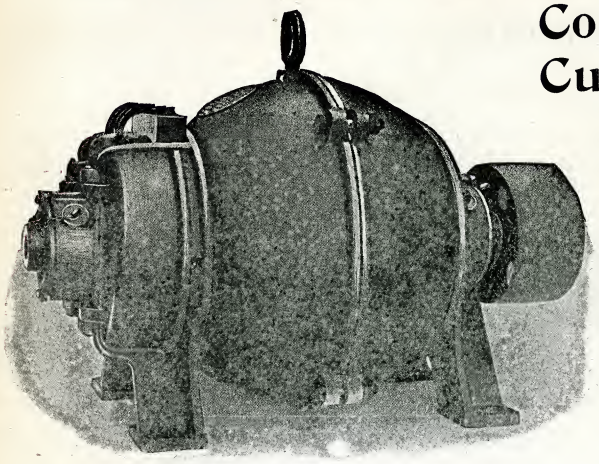
DIRECTION OF ROTATION.—This is counter-clockwise (when facing the pulley) unless otherwise ordered.
SPEED.—In the case of Periodicities between those shown above, the speed will be proportional: thus, if Periodicity is 83 and size of Motor 3 B.H.P. the speed = $\frac{83}{78} \times 2000 = 2371$.

BIPOLAR TYPE.

The LUNDELL

Continuous Current

Electric Motors.



STANDARD WINDINGS FOR **115, 230,** AND **500** VOLTS.

Brake Horse Power.	Frame No.	Approx. Revs. per min.	Pulley. Diam. inches.	Pulley. Width inches.	Net Weight lb. includ. rails.	PRICES. Motor.	Rails.	Starting Switch, with auto., no volt release.	Double Pole Main Switch.
						£ s.	£ s.	£ s.	£ s.
*	$\frac{1}{20}$	2000	1	V groove.	17	5 5	—	not required.	0 10
*	$\frac{1}{12}$	1900	1	,,	17	5 10	—	,,	0 18
*	$\frac{1}{10}$	1800	$1\frac{1}{2}$	,,	28	7 7	—	,,	0 18
*	$\frac{1}{8}$	1800	$1\frac{1}{2}$	,,	28	8 0	—	,,	0 18
**$\frac{1}{4}$	$\frac{1}{4}$	1550	$3\frac{1}{2}$	$1\frac{1}{2}$	49	12 10	—	2 0	1 5
**$\frac{1}{2}$	$\frac{1}{2}$	1400	5	2	86	19 0	1 10	2 0	1 5
**1	1	1250	6	$2\frac{3}{4}$	163	23 0	1 10	2 0	1 5
2	2	1200	7	$3\frac{1}{2}$	286	33 0	1 10	3 5	2 0
3	3	1150	7	$3\frac{1}{2}$	366	43 0	2 0	3 10	2 0
4	4	1100	8	$4\frac{1}{2}$	438	60 0	2 0	4 5	3 0
5	5	1100	8	$4\frac{1}{2}$	527	68 0	2 10	5 0	3 0
$7\frac{1}{2}$	$7\frac{1}{2}$	1000	9	5	630	85 10	3 0	7 15	5 0
†10	10	1000	11	6	800	100 0	3 0	8 10	5 0
10	6-pole	800	11	6	1015	110 0	3 0	8 10	5 0

* These Frame Numbers represent the Nominal H.P. of Motors.

Frame No. $\frac{1}{20}$ wound only for 4 volts battery. Frame No. $\frac{1}{10}$ wound only for 8 volts battery.

Frame No. $\frac{1}{12}$ wound for 115 and lower voltages. Frame No. $\frac{1}{8}$ wound for 230 and lower voltages.

** Frame Nos. $\frac{1}{4}$, $\frac{1}{2}$, and 1, wound for 500 volts, £1 10s. each extra.

The Frame No. $\frac{1}{4}$ Series wound for 500 volts only. † 230 and 500 volts only.

SPARE ARMATURES.

$\frac{1}{4}$ H.P. ... **£7 10 0** $\frac{1}{2}$ H.P. ... **£10 0 0** 1 H.P. ... **£12 0 0** 2 H.P. ... **£15 0 0** 3 H.P. ... **£18 0 0**
4 H.P. ... **£20 0 0** 5 H.P. ... **£36 0 0** $7\frac{1}{2}$ H.P. ... **£45 0 0** 10 H.P. ... **£50 0 0**

OTHER POWERS AND SPEEDS GIVEN ON APPLICATION.

A Few of its Advantages.

Enclosure. The arrangement of the magnet provides a strong, cast-steel casing for the armature and field coil; at the same time the casing is essentially part of the Motor. There is no extra weight required, and the casing cannot be removed or damaged by accident. The enclosure meets the requirements of the Fire Offices, which are now most stringent.

The Dimensions of the Motors are believed to be considerably smaller than those of any other enclosed Motor under the same conditions. The shortness of the magnetic circuit, and the fact that there is only one joint in it, reduces the power used in field excitation. The mechanical strength of all parts subject to strain is very great, and the Motors will safely carry double their rated loads for short periods.

The Lubrication is automatic, being effected by means of rings, two being fitted to each bearing.

All Parts are Built to Standard, and are interchangeable.

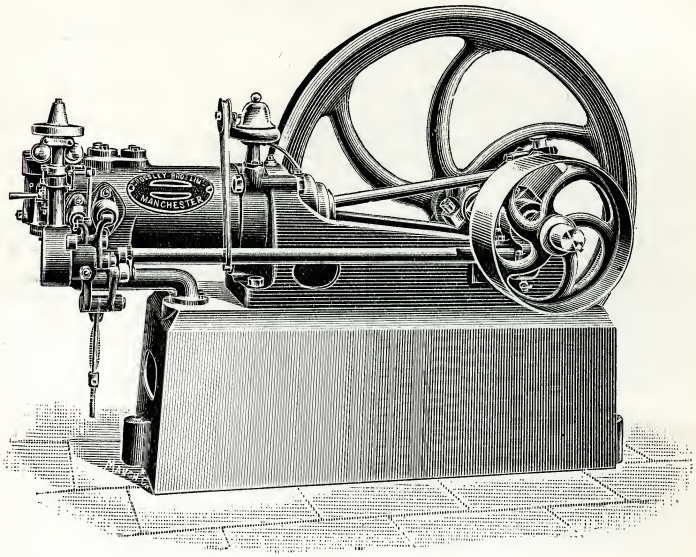
The Field Coil is readily removable, and thus the winding can be easily altered, or Motors can be made suitable for other speeds, powers, and voltages.

The Armature Conductors are protected by being embedded in slots lined with a special insulation, thus securing a positive drive; and are so arranged that no binding wires are required, thus removing a fruitful source of breakdown. In many sizes the armature coils are wound on formers, and are removable.

The Brushes are of carbon, and are free from sparking from no load to full load.

The "Otto" Gas Engines.

(CROSSLEY'S.)



The above illustration represents style of Engine up to "S" type.

SINGLE CYLINDER HORIZONTAL GAS ENGINES.

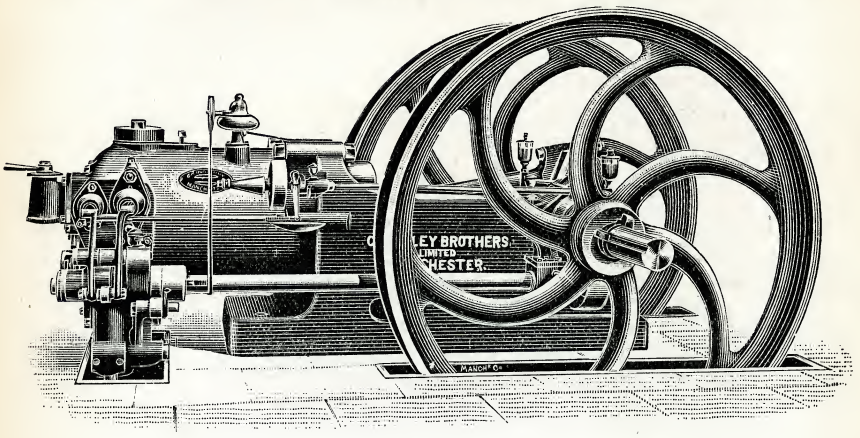
PRICES AND PARTICULARS.

Type.	Effective H.P. Working Load, Coal Gas.	Effective H.P. Working Load, DowsonGas	PRICE without Water Vessel.	Extra for Water Vessel.	Overall Dimensions of Engines only.		Speed.
			£ s.	£ s.	Length. ft. in.	Breadth. ft. in.	Revs.
H	¾	½	26 0	1 0	3 4	2 5	300
J	1·8	1·5	35 0	1 0	4 3	3 0	270
K	3·2	2·3	45 0	2 0	5 6	2 10	250
L	5	3·7	58 0	2 10	6 6	3 7	250
M	7	5	70 0	3 0	7 6	4 0	200
N	9·5	6·8	81 0	3 0	7 6	4 0	200
O	11	8	92 0	3 0	8 6	4 5	200
P	15	11	120 0	6 0	9 0	5 0	190
R	18	14	130 0	6 0	10 0	5 0	180
S	20	16·5	145 0	9 0	10 0	5 9	180

Self Starters for large Engines are extra.

REPAIRS TO GAS ENGINES UNDERTAKEN AND ATTENDED TO BY EXPERIENCED MEN.

The "Otto" Gas Engines (Crossley's)—*continued.*



This illustration represents the "T" and larger size Engine.

SINGLE CYLINDER HORIZONTAL GAS ENGINES—*continued.*

PRICES AND PARTICULARS.

Type.	Effective H.P. Working Load, Coal Gas.	Effective H.P. Working Load, Dowson Gas	PRICE without Water Vessel.	Extra for Water Vessel.	Overall Dimensions of Engines only.		Speed.
			£ s.	£ s.	Length. ft. in.	Breadth. ft. in.	Revs.
T	26·5	23	185 0	9 0	10 3	6 6	180
U	33	29	202 0	12 0	10 3	7 2	170
W	38	34	242 0	15 0	11 2	7 9	170
X	46·5	42	320 0	21 0	12 0	8 2	160
XA	60	50	396 0	Special Price to suit position	13 0	8 9	160
Y	80	65	490 0		14 3	9 9	160
Z	95	78	521 0		14 6	10 0	160
ZA	106	90	586 0		14 9	10 6	160
ZC	137	118	777 0		16 6	12 6	160

Self Starters for large Engines are extra.

SINGLE CYLINDER VERTICAL GAS ENGINES.

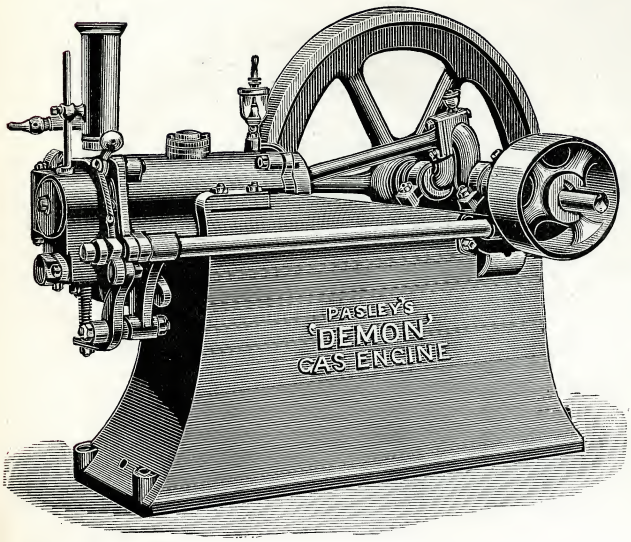
PRICES AND PARTICULARS.

Type.	Effective H.P. Working Load, Coal Gas.	PRICE without Water Vessel.	Extra for Water Vessel.	Overall Dimensions of Engines only.		Speed.
		£ s.	£ s.	Height. ft. in.	Breadth. ft. in.	250 TO
HV	$\frac{1}{3}$	29 10	1 0	3 2	2 3	300
JV	$\frac{3}{4}$	37 0	1 0	4 8	3 0	200
KV	$1\frac{1}{4}$	41 0	2 0	4 8	3 0	200
LV	2	53 0	2 10	5 10	4 0	200
NV	4	62 0	3 0	6 9	4 8	200

Pasley's "Demon"

"OTTO" PRINCIPLE

Gas Engine.



HIGH EFFICIENCY WITH SMALL CONSUMPTION OF GAS.

Below we state the actual power given by each size of the "Demon" Engine as tested by us.

EVERY ENGINE GUARANTEED.

Particulars and Prices, delivered on rails, Sherborne.

Maximum Actual or Effective Brake Horse Power.	PRICE without Water Tank.	Extra for Water Tank.	Overall Dimensions of Engine only.	Extra for Pulley	Speed in Revolutions per minute.
½ Horizontal	£14 10 0	12/6	2 ft. 8 in. by 1 ft. 8 in.	6/6	350
¾ ,,	16 15 0	16/-	2 ft. 9 in. by 1 ft. 8 in.	6/6	350
1 ,,	19 10 0	17/6	3 ft. 2 in. by 1 ft. 9 in.	6/6	350
1½ ,,	23 15 0	20/-	3 ft. 8 in. by 2 ft. 0 in.	9/-	325
2 ,,	28 0 0	20/-	4 ft. 0 in. by 2 ft. 6 in.	9/-	325
2½ ,,	32 0 0	30/-	4 ft. 6 in. by 2 ft. 9 in.	11/-	300
3½ ,,	40 0 0	40/-	5 ft. 3 in. by 3 ft. 0 in.	15/-	300
4½ ,,	50 0 0	50/-	6 ft. 0 in. by 3 ft. 6 in.	17/-	250
6 ,,	60 0 0	60/-	6 ft. 9 in. by 3 ft. 9 in.	18/6	250
7½ ,,	76 0 0	75/-	7 ft. 6 in. by 4 ft. 6 in.	32/6	225
10 ,,	85 0 0	85/-	8 ft. 0 in. by 4 ft. 6 in.	45/-	200
12 ,,	95 0 0	100/-	8 ft. 6 in. by 4 ft. 9 in.	51/6	200

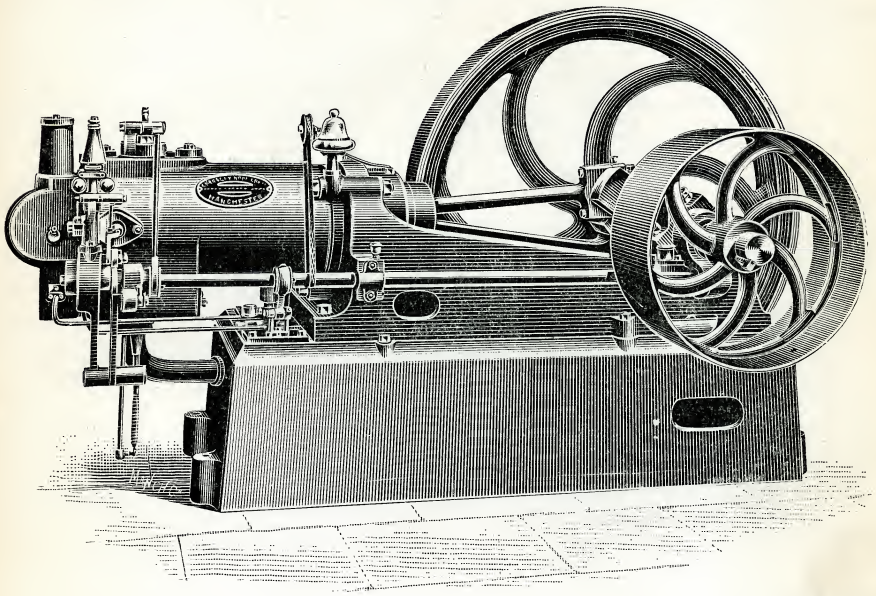
EACH ENGINE IS SENT COMPLETE WITH GAS COCK, GAS BAG, EXHAUST SILENCING BOX, SPARE PISTON RING, AND SPARE TUBES.

Second Fly Wheel, 10 per cent. extra.

All Engines above 2 H.P. Horizontal have Liners to Cylinders and Water Jacketed Covers.

— THE —

"Otto" Single Cylinder Horizontal Oil Engine.



PARTICULARS AND PRICES.

Type	Effective H.P. Working Load.	PRICE without Water Vessel.	Extra for Water Vessel.	Overall Dimensions of Engines only.		Approximate Weight of Engines.		Speed.
				Length.	Breadth.	Net Weight.	Grs. Weight packed complete.	
		£ s.	£ s.	ft. in.	ft. in.	C. Q.	C. Q.	Revs.
JJ	1½	41 10	1 0	4 3	3 0	8 2	10 2	300
LL	2½	81 0	2 10	6 6	3 6	17 0	22 0	250
MM	4	97 0	3 0	7 6	4 0	24 2	30 0	230
NN	5	106 10	3 0	7 9	4 0	27 0	33 0	220
OO	6	118 0	3 0	8 6	4 3	34 2	41 0	200
RR	10	150 0	6 0	9 6	5 0	52 0	60 2	180
SS	15	172 0	6 0	10 6	5 9	63 2	74 0	180
UU	21	232 0	12 0	10 9	7 0	110 0	120 0	180
XX	40	368 0	18 0	11 9	7 9	130 0	140 0	170

THE "UU" AND "XX" ENGINES HAVE TWO FLY WHEELS.

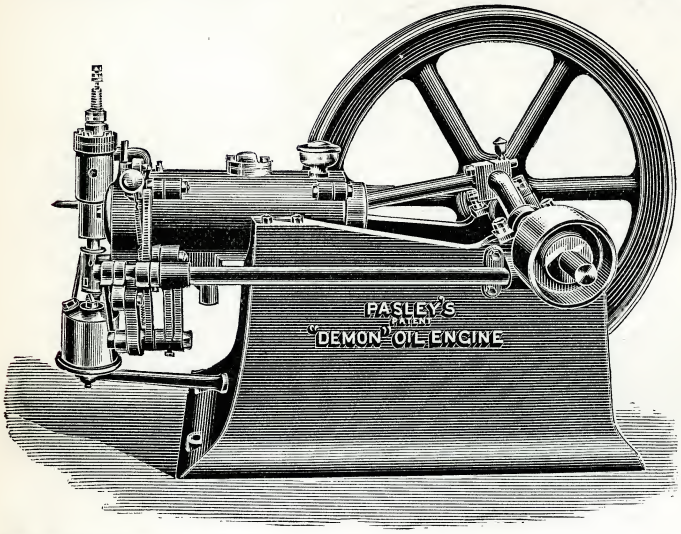
STARTERS EXTRA.

A Good Engine at a Moderate Price.

PASLEY'S NEW TYPE IMPROVED "Demon" "Otto" Principle Oil Engine.

WITH PATENTED IMPROVEMENTS.

USING ORDINARY COMMERCIAL PETROLEUM.



All sizes can be supplied so as to be convertible from oil to gas at a charge of 25/- extra.

Simple AND Efficient.

Designed for management by unskilled hands.

Advantages of Pasley's Patent "Demon" Oil Engine.

It uses ordinary petroleum lamp oil, procurable everywhere.
It is most economical in consumption of oil.
It is fitted with adjustable governor to all sizes.
It works on the well-known "Otto" principle.
It has no complicated parts to get out of order.
It is the acme of simplicity. It can be started in 5 minutes.
It can be stopped and re-started at a moment's notice.
It has hot tube ignition—the only reliable method.
It requires little or no attention whilst working.
It is of first-rate workmanship and materials throughout.
It is made so that all parts subject to wear are renewable.
It is most compact and occupies little space. It is moderate in price.

Prices and Particulars

of Engines complete with driving pulley, oil vessel and water tank, and necessary connecting pipes, 5 feet apart; exhaust silencing box; spare piston ring; spare ignition tubes and spanners.

On Rails—Sherborne.

Maximum Actual or Effective Brake Horse Power.	PRICE Complete as above.	Overall dimensions of Engine only.	Approx. Weight of Engine.	Diameter of Fly Wheel.	Size of Pulley.	Speed in Revolutions per minute.
	£ s. d.	Length. ft. in. × Breadth. ft. in.	cwts. qrs.	ft. ins.	in. in.	
1 Horizontal	25 0 0	3 0 × 2 0	3 0	2 0	5 × 3	350
1½ ,,	30 0 0	3 9 × 2 0	4 2	2 4	5 × 3	325
2 ,,	38 10 0	4 3 × 2 6	6 0	2 6	6 × 4	325
2½ ,,	45 0 0	4 6 × 2 9	8 2	2 10	8 × 4	325
3½ ,,	55 0 0	5 3 × 3 0	12 0	2 10	10 × 5	300
4½ ,,	68 0 0	6 0 × 3 6	17 0	3 3	10 × 6	275
6 ,,	80 0 0	6 9 × 3 9	22 0	3 4	12 × 6	250
7½ ,,	105 0 0	7 6 × 4 6	30 0	4 4	16 × 7	225
10 ,,	120 0 0	8 6 × 4 9	40 0	4 6	20 × 8	220
12 ,,	140 0 0	9 0 × 4 9	47 0	4 6	24 × 10	220

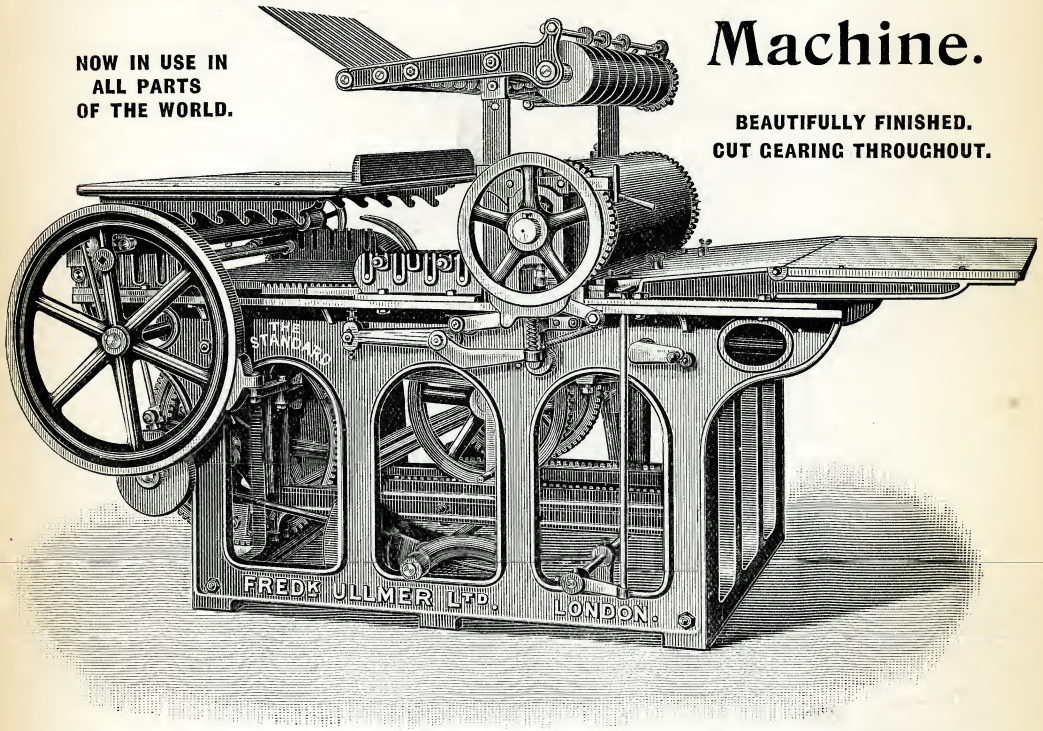
Second Fly Wheel 10 per cent. extra.

THE CHEAPEST WELL-FINISHED MACHINE IN THE TRADE.

THE IMPROVED "Standard" Cylinder Machine.

NOW IN USE IN ALL PARTS OF THE WORLD.

BEAUTIFULLY FINISHED. CUT GEARING THROUGHOUT.



The above illustration represents the Demy to Double Crown sizes. Double Demy and larger sizes have extra strong framework. For sizes under Demy see next page.

These Machines are made from entirely new patterns. Nothing but the best class of material is used, and the workmanship is good. They are beautifully finished machines.

These Improved "Standard" Machines are now in use in the United Kingdom, Spain, Portugal, France, Holland, Germany, Turkey, Smyrna, East and West Indies, New Zealand, South America, Brazil, Morocco, Buenos Ayres, South Australia, Africa, Belgium, Norway, United States, Hong Kong, &c.

Easy and Quiet in Working. Simple and Perfect in Construction. Good Rolling Power. The Cylinders are Ground dead true by special machinery, and save time in making ready. Adapted for all classes of work. Balance Flyers are fitted. Perfect Register Guaranteed. The Inking Arrangements are very good. ☛ See List of Testimonials next page.

Size.	To Print Matter in. in.	Size of Table. in. in.	PRICE without flyers.	PRICE with flyers
Demy Folio, for hand power	17½ by 11½	21 by 17	£58	£68
Demy Folio, for treadle...	17½ ,, 11½	21 ,, 17	61	71
Foolscap Broadside, for hand power...	17½ ,, 13	21 ,, 19	64	74
Foolscap Broadside, for treadle ...	17½ ,, 13	21 ,, 19	67	77
Crown Broadside, for hand power ...	19 ,, 15½	23½ ,, 20¾	75	85
Crown Broadside, with double treadle	19 ,, 15½	23½ ,, 20¾	83	93
Demy Broadside	22½ ,, 17	26½ ,, 24	90	100
Royal	24½ ,, 19	18½ ,, 26	102	112
Super Royal	28 ,, 19	32½ ,, 26	116	130
Double Crown	31 ,, 20	35¼ ,, 28	120	135
Double Demy	35 ,, 22½	40 ,, 28	150	165
Double Royal	39⅓ ,, 29	44½ ,, 36	170	185

Prices include two sets of roller stocks and steam apparatus for Demy and larger sizes. Roller moulds are charged extra.

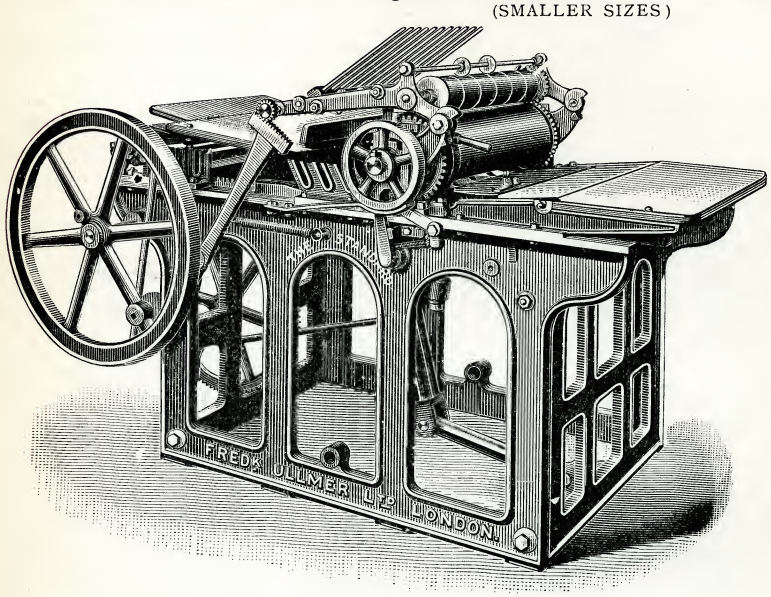
We shall be pleased to meet the views of those with whom we have a Ledger A/c who may not wish to take advantage of Cash Discounts.

THE IMPROVED

IN USE IN ALL PARTS OF THE WORLD.

"Standard" Cylinder Machine.

(SMALLER SIZES)



A MONEY MAKING MACHINE!

WILL PRINT AS FAST AS CAN BE FED IN.

CUT GEARING THROUGHOUT.

The above illustration represents Demy Folio to Crown. For larger sizes see preceding page

Size.	To Print Matter in. in.	Size of Table. in. in.	PRICE without flyers.	PRICE with flyers
Demy Folio, for hand power	17½ by 11½	21 by 17	£58	£68
Demy Folio, for treadle	17½ ,, 11½	21 ,, 17	61	71
Foolscap Broadside, for hand power...	17½ ,, 13	21 ,, 19	64	74
Foolscap Broadside, for treadle ...	17½ ,, 13	21 ,, 19	67	77
Crown Broadside, for hand power ...	19 ,, 15½	23½ ,, 20¾	75	85
Crown Broadside, with double treadle	19 ,, 15½	23½ ,, 20¾	83	93

If Steam Gear required, Price each size extra ... £3 10s

A FEW TESTIMONIALS.

READING, January, 1900.

Gentlemen, We were so satisfied with the workmanlike manner in which the machine was erected, and up to the present the work turned out by it has been quite as good as from machines running into more money, and such being the case you may rely on us giving you a chance for other machinery we shall no doubt require. PALMER & LUMB.

MESSRS. F. ULLMER, LTD., FULHAM, S.W.
Cross Street, Farringdon Road, E.C.

Dear Sirs, We have given your Double Demy "Standard" Wharfedale an excellent test during the two months we have had it running, especially on process block work, and are pleased to inform you it gives every satisfaction.
Yours truly, ARTHUR W. PEGG.

6, SNOW HILL, E.C., May 1st, 1901.

Gentlemen, The Improved Double Crown "Standard" Machine you recently supplied is working exceedingly satisfactorily, and is capable of turning out very good work—equal to a much higher price machine.
Yours truly, ARTHUR CHILVER.

SHEPTON MALLET, September, 1900.

Gentlemen, We herewith enclose cheque as promised. The machine was erected without any trouble whatever; we have given it a fair trial and we are simply delighted with it; we think you have eclipsed yourselves by producing such a machine. This is the fourth "Standard" that we have bought, and if we required a dozen more machines we should still continue to buy your "Standard." Yours faithfully, J. H. DAY & SON.

BOSTON, September 12th, 1901.

I must say how delighted I am with the Demy "Standard." Could not possibly do without it. It is A-1.
Yours truly, A. BROUGHTON.

FAVERSHAM, May 5th, 1900.

Gentlemen The Double Crown Improved "Standard" is giving every satisfaction, and is no trouble. I enclose cheque and cannot say how glad I am that I bought it.
Yours truly, FREDK. AUSTIN.

HONGKONG.

Dear Sir, We have now had for some time in use five (5) Foolscap Broadside "Standard" Cylinder Machines, and since September this year one also of Double Crown size, with your new balanced flyers, and can, therefore, unhesitatingly express a reliable opinion as to their real worth. The machines are strong and durable, the one invoiced by you in May, 1885, being still in use and doing good service. This is saying a great deal in a country where there is so little of the skilled labour, and so much depends on the Chinese machine minder. The smaller machine is admirably adapted for jobbing work, and should be an acquisition in every office where speed and economy are important considerations. It is an excellent value for the price. For fine book work the Double Crown "Standard" has given us every satisfaction, and is equal to more expensive machines of the same size we have in our office. The best proof of our appreciation of the "Standard" Works will be found in the fresh order we have now the pleasure of handing you for another Double Crown and a Royal "Standard" Cylinder Machine with steam fittings. Yours faithfully, NORONHA & CO.

The above are only selections from a large list.

SUNDRIES for "Standard" Cylinder Printing Machines.

Size.	Steam Apparatus.	Iron Roller Moulds, to open in halves	Chases. each. Broadside	Locking-up Bars.	Blankets. each.	Space occupied for Hand Power about.	Weight. about
	£ s.	£ d.	s. d.	s. d.	s. d.	ft. in. ft. in.	
Demy Folio ...	3 10	2 15	4 6	5 0	4 6	6 0 × 4 6	14 cwt.
Foolscap ...	3 10	3 0	5 0	5 0	5 0	6 0 × 4 2	14 cwt.
Crown... ...	3 10	6 0	6 6	6 0	6 6	7 0 × 5 3	18 cwt.
Demy	4 10	7 0	7 6	8 0	7 6	7 6 × 5 6	21 cwt.
Royal	4 10	7 10	8 6	9 0	8 6	7 6 × 5 9	24 cwt.
Super Royal ...	5 0	8 10	9 0	10 0	10 0	9 0 × 6 3	38 cwt.
Double Crown	5 0	9 0	10 0	10 6	10 0	9 0 × 6 6	43 cwt.
Double Demy	5 0	10 0	12 6	12 6	12 6	9 3 × 7 3	46 cwt.
Double Royal	5 0	11 0	16 0	15 6	16 0	11 0 × 7 9	65 cwt.

(Per Pair.)

For Covering Rollers see Roller Department.

WOOD BEARERS—Hard Wood.

For the Impression and Rollers, per Set Complete.

	£ s. d.		£ s. d.
Demy Folio	0 2 6	Super Royal	0 6 0
Foolscap...	0 3 0	Double Crown	0 7 0
Crown	0 4 0	Double Demy	0 8 0
Demy	0 5 0	Double Royal	0 9 0
Royal	0 5 6	Quad Demy or News ...	0 10 0

ROLLER CUPBOARDS.

Fitted for Two Sets of Rollers, with Double Doors, Bolts, Locks, and Keys.

	£ s. d.		£ s. d.
Demy Folio	1 4 0	Super Royal	1 7 0
Foolscap...	1 4 0	Double Crown	1 10 0
Crown	1 4 6	Double Crown	1 12 0
Demy	1 5 0	Double Royal	1 13 0
Royal	1 5 6	Quad Demy or News	1 16 0

The above Roller Cupboards are made of Pine Wood and Varnished.

ROLLER BOXES.

For One Set of Rollers.

	£ s. d.		£ s. d.
Demy Folio	0 9 0	Super Royal	0 12 0
Foolscap...	0 9 0	Double Crown	0 14 0
Crown	0 9 6	Double Demy	0 15 0
Demy	0 10 0	Double Royal	0 16 0
Royal	0 10 6	Quad Demy or News	0 17 0

A MARVEL OF CHEAPNESS!

. . THE . .

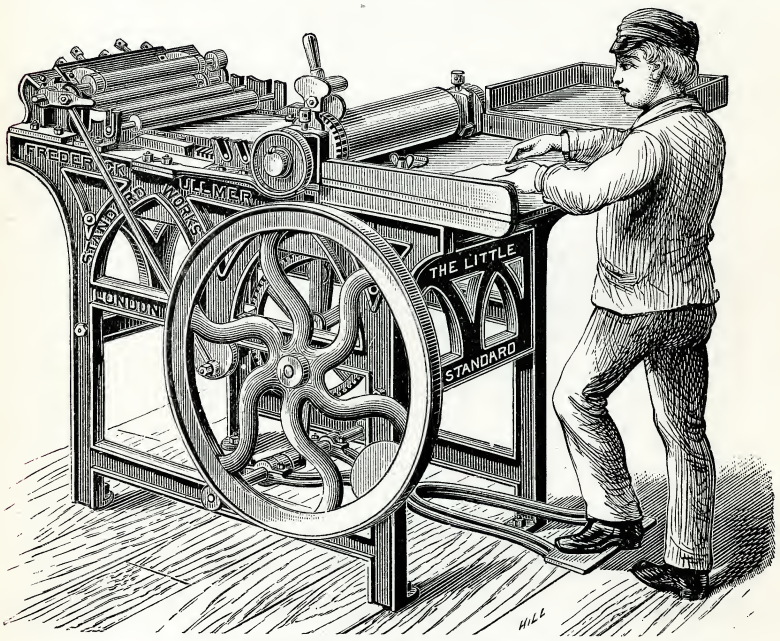
"LITTLE STANDARD"

—

SUITABLE FOR BAG AND OTHER WORK.

—

Jobbing Cylinder Treadle Machine.



Prints 14 in. by 10 in. **Table, 17½ in. by 14½ in.**

A MARVEL OF CHEAPNESS, SPEED, AND UTILITY.
WELL-FINISHED, AND SIMPLY CONSTRUCTED.

Price, £42.

1 Set of Roller Stocks and 1 Blanket sent with each Machine, and included in above price.

EXTRAS—

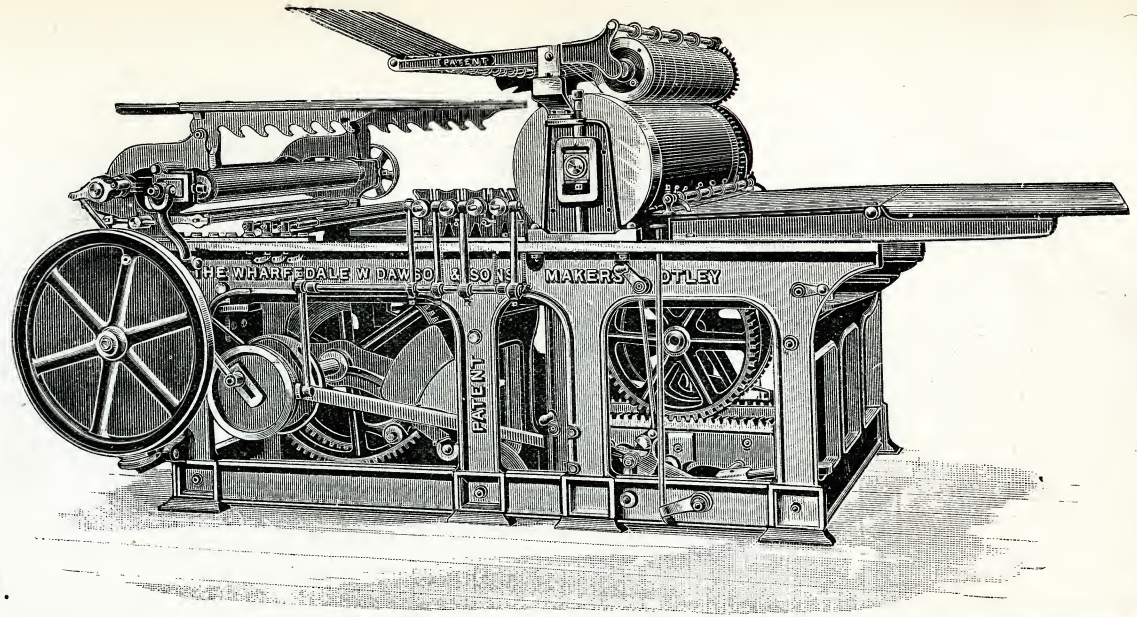
(If required), Chases to fit Machine, **4s.** each. Improved Blankets, **3s.** each.
Roller Stocks, **4s.** each. Roller Moulds, **15s.** each. Steam Gear, **£2 10s.**

This Jobbing Treadle Machine is adapted for all classes of Jobbing Work and is particularly useful for Cards, Circulars, Invoices, Memorandums, Envelopes, Note Headings, &c. It will print at rate of 1,000 to 1,500 per hour by treadle, and requires only one boy to work it.

The Machine weighs about 6 cwt. and occupies a space of 5 ft. by 3 ft.

No Complications and Nothing to get Out of Order. Easily Worked by a Boy.

Single Colour Wharfedale Machines.



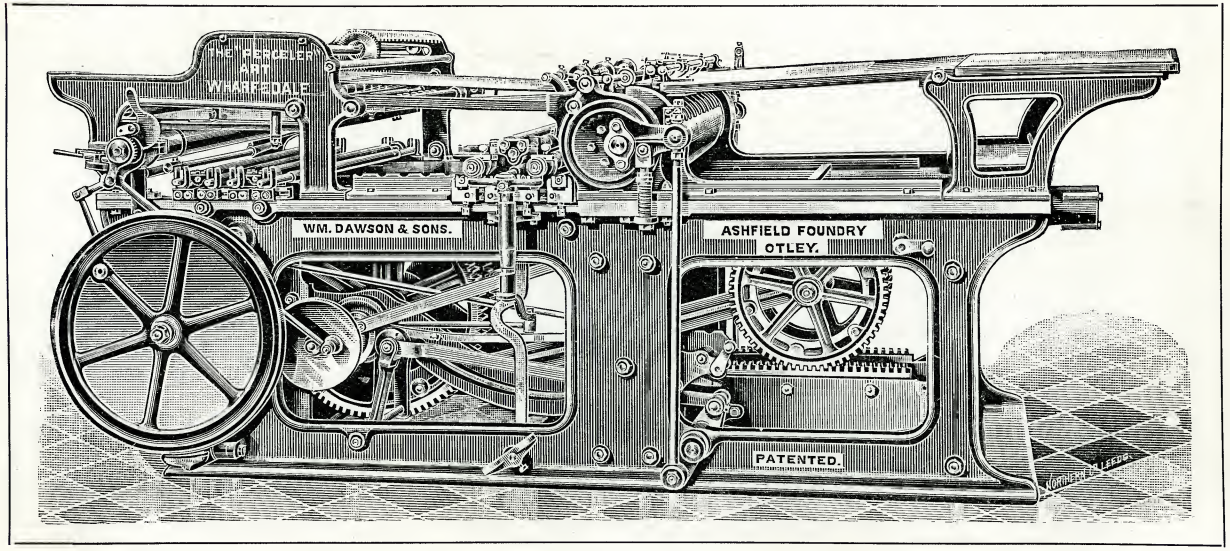
Price List.

Size of Machine.	Standard Size of Sheet.	Ordinary Machine with High Flyer.	Reciprocating Distributing Drum.	Geared Inking with Riders.	Reciprocating Rider Rollers.	Pointing Apparatus.	American Steel Ink Knife.	Apparatus for Lifting Inkers.	Apparatus for Stopping Ink Supply at same time as Cylndr.
	inches.	£	£	£	£ s.	£	£	£	£
Demy Folio	17½ by 11¼	**105**	13	9		3	2	2	2
Crown	20 ,, 15	**125**	14	10		4	2	2	2
Demy	22½ ,, 17½	**145**	15	11	6 0	4	2	2	2
Royal	25 ,, 20	**170**	16	12	6 0	4	3	3	3
Double Crown ...	30 ,, 20	**190**	17	13	6 10	5	3	3	3
Double Demy... ...	35 ,, 22½	**223**	19	14	7 0	5	3	3	3
Double Royal ...	40 ,, 25	**260**	21	15	7 10	5	4	3	3
Four Crown	40 ,, 30	**285**	22	16	8 0	6	4	4	4

Size of Machine.	Standard Size of Sheet.	Ordinary Machine with High Flyer.	Reciprocating Distributing Drum.	Geared Inking with Riders.	Reciprocating Kider Rollers.	Pointing Apparatus.	American Steel Ink Knife.	Apparatus for Lifting Inkers.	Apparatus for Stopping Ink Supply at same time as Cylndr.
	inches.	£	£	£	£ s.	£	£	£	£
Extra Four Crown	45 by 30	**310**	24	17	8 10	6	4	4	4
Four Demy	45 ,, 35	**335**	27	18	9 0	7	5	4	4
Extra Four Demy ...	50 ,, 37	**360**	29	19	9 10	7	5	4	4
Four Royal	50 ,, 40	**385**	32	20	10 0	8	5	5	5
Extra Four Royal ...	55 ,, 42	**410**	34	21	10 10	8	6	5	5
Eight Crown... ...	60 ,, 40	**435**	37	22	11 0	9	6	5	5
Extra Eight Crown	65 ,, 40	**465**	39	23	11 10	9	6	5	5
Eight Demy	70 ,, 45	**500**	42	24	12 0	10	7	6	6

The "Perceler" FINE ART WHARFEDALE.

SPEED BEYOND THE MOST EXPERT FEEDER.



NOW MADE IN ALL SIZES FROM DOUBLE DEMY UPWARDS.

DELIVERS SHEET
PRINTED SIDE UP
IN FULL VIEW OF FEEDER.

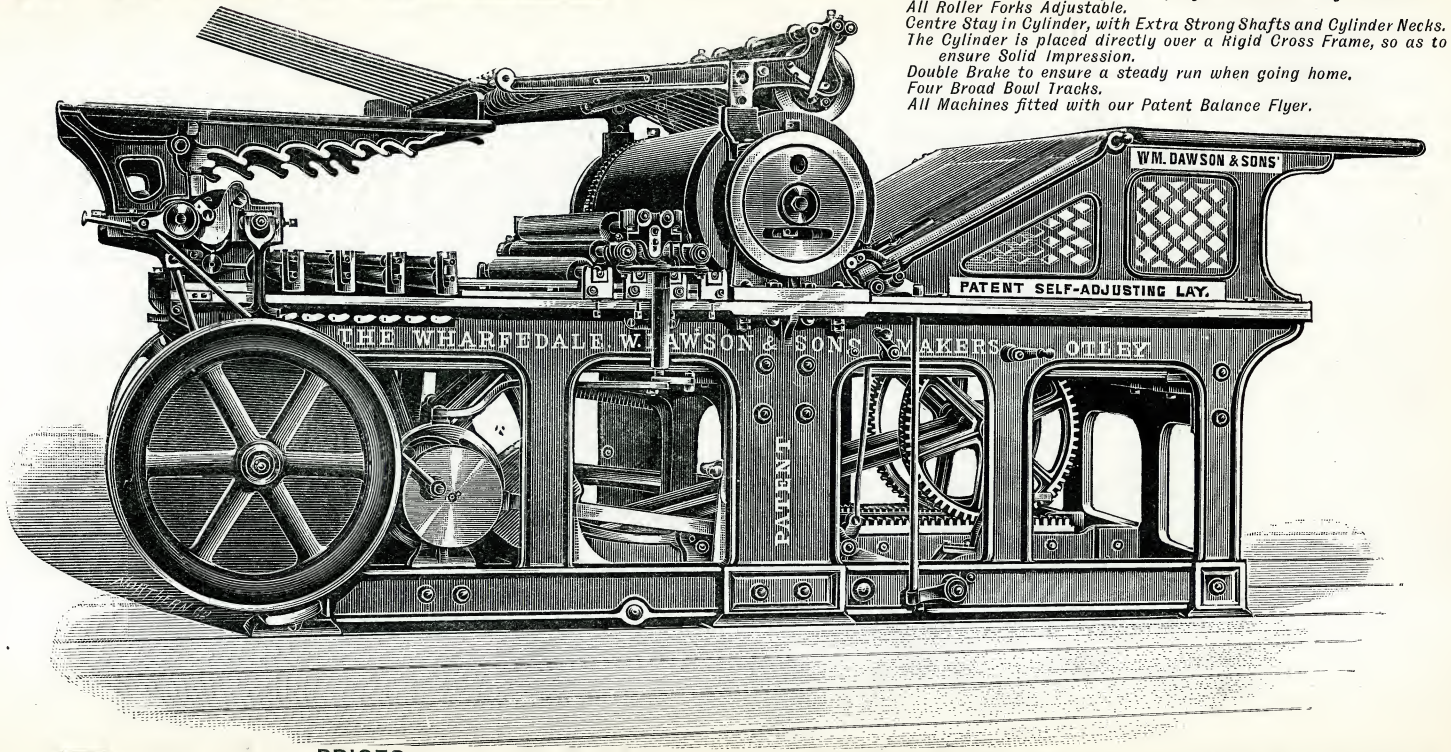
"Perceler" Machines.

Double Demy	**£374**	Quad Demy	**£500**
Double Royal	**£410**	Quad Royal	**£560**
Quad Crown	**£450**	Eight Crown	**£600**

Fredk. Ullmer, Ltd., Standard Works, Cross Street, Farringdon Road, London.

Special Wharfedale FOR FINE ART WORK.

This Machine is fitted with ***Patent Automatic Front and Side Lay,*** *by which* ***Dead Register*** *is obtained (without the use of Points), and also* ***greater speed*** *attained.*
Four Rollers cover a Full-size Forme.
Fitted with Reciprocating Riders, together with Storage Rollers.
All Roller Forks Adjustable.
Centre Stay in Cylinder, with Extra Strong Shafts and Cylinder Necks.
The Cylinder is placed directly over a Rigid Cross Frame, so as to ensure Solid Impression.
Double Brake to ensure a steady run when going home.
Four Broad Bowl Tracks.
All Machines fitted with our Patent Balance Flyer.



PRICES.

Double Demy ... **£260.** Double Royal ... **£286.** Quad Crown ... **£346.**
Quad Demy ... **£388.** Quad Royal ... **£434.**

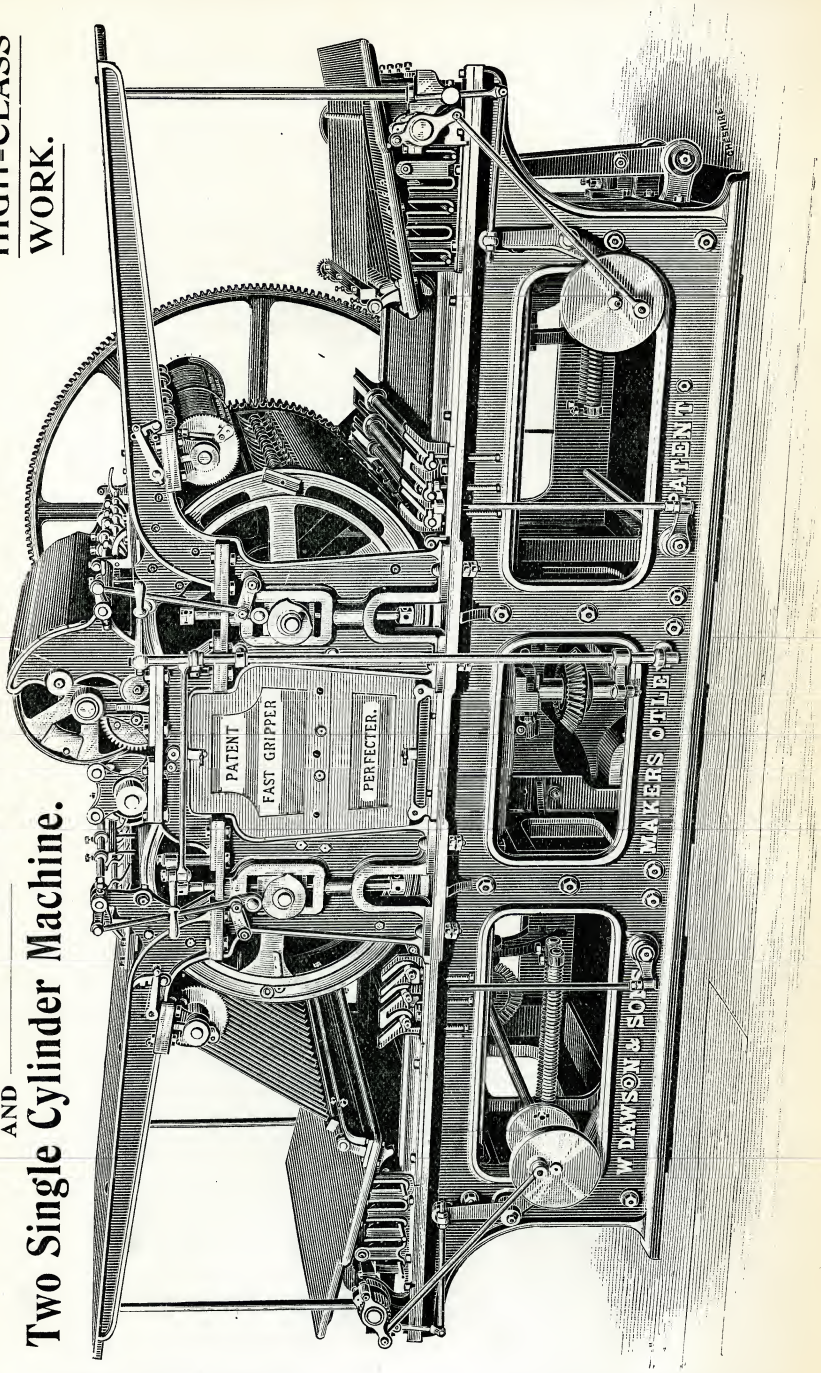
Automatic Cylinder Check, which stops the Grippers, Feed Board, and Pusher Bar, ***and holds the Cylinder secure until Automatically released.***
All Cylinder Wheels, Roller Gear and Racks, Engine Cut.
Double Driving Wheels, Apparatus for Regulating Ink Supply, &c.

Fredk. Ullmer, Ltd., Standard Works, Cross Street, Farringdon Road, London.

SPECIALLY DESIGNED AND CONSTRUCTED FOR HIGH-CLASS WORK.

LATEST IMPROVED PATENT

Fast Gripper Perfecting AND Two Single Cylinder Machine.



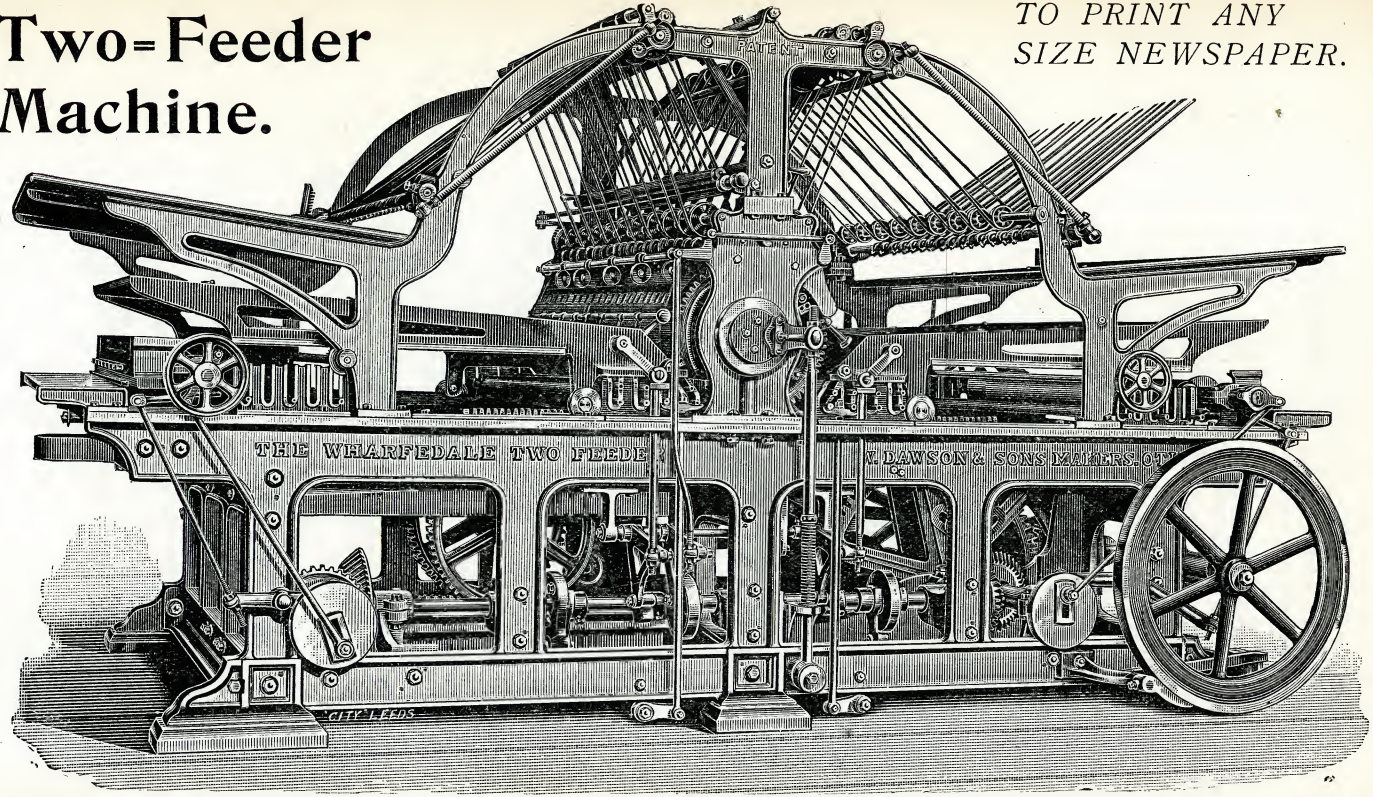
PERFECTING MACHINES.

	As Perfecter only.	As Perfecter and Two-Feeder.
Double Crown	£450	£480
Double Demy	480	520
Double Royal	560	600
Quad Crown	620	660
Quad Demy	680	720
Quad Royal	880	920
Eight Crown	1000	1040

Fitted with Extra Long Upright Spindle.
All Gearing Engine-Cut. "Dead Register."
No Tapes whatever on the Machine.
Less Space Required. Direct Feeding.
Set-Off Apparatus. Rigid Type-Bed.
No Vibration. Patent Intermittent Inking.
Flyers for Delivery of Sheets.
All Formes placed nearest the Ink Table, so that no alteration required whatever.

Patent Two-Feeder Machine.

TO PRINT ANY SIZE NEWSPAPER.



List of Prices of Patent Two-Feeder Machine.

No. 1.—Size of sheet, 36 × 24 in.
£360.

No. 2.—Size of sheet, 44 × 32 in.
£384.

No. 3.—Size of sheet, 50 × 37 in.
£440.

No. 4.—Size of sheet, 54 × 42 in.
£500.

No. 5.—Size of sheet, 60 × 50 in.
£560.

THE above Machine possesses ***Important Advantages*** over all others of its kind. It prints large or small Newspapers at will, and ***no alteration of the printing surface of the cylinder, nor removal of blankets nor tapes being necessary,*** the change from size to size can be made in a few minutes. The sheets are fed direct into the Grippers, and delivered by flyers in the usual way. Four broad bowl tracks. All tapes driven by gear. The travel of the type-bed is reduced to the lowest point for small sheets, and this advantage, together with its great strength, renders the Machine capable of ***exceeding in speed*** any other Two-Feeder.

FIVE HUNDRED MACHINES HAVE BEEN SOLD.

Fredk. Ullmer, Ltd., Standard Works, Cross Street, Farringdon Road, London.

The "Standard" Platen Printing Machine.

Well Built! Quick in Action!

A Large Number in use in England and the Colonies giving Universal Satisfaction.

Foolscap Folio,
with Ink Duct.
Inside of chase, 13 by 9

£40.

Crown Folio,
with Ink Duct.
Inside of chase, 15 by 10

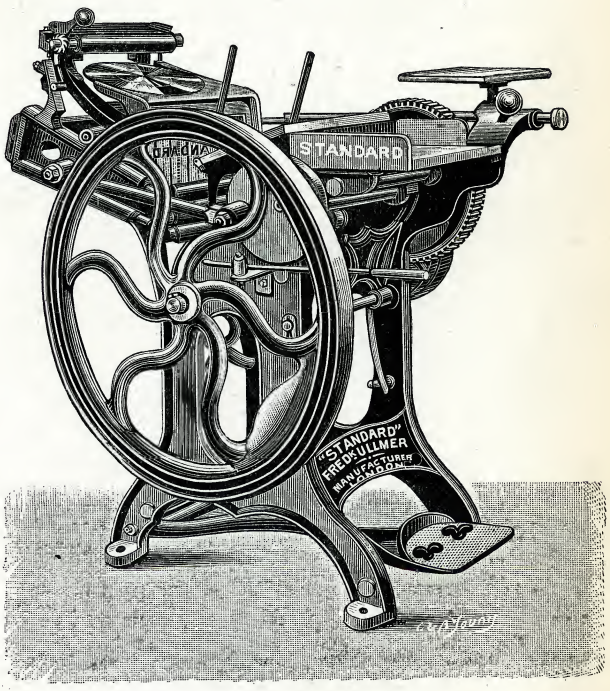
£50.

Demy Folio,
with Ink Duct.
Inside of chase, 13 by 19

£78.

With Treadle, Ink-duct, Six Roller Stocks, Roller Mould, Two Chases, Spanners, and all other requisites.

Steam Gear £2 extra.
Extra Chases, from 3/- each.



SPACE REQUIRED, ABOUT 4 ft. SQUARE

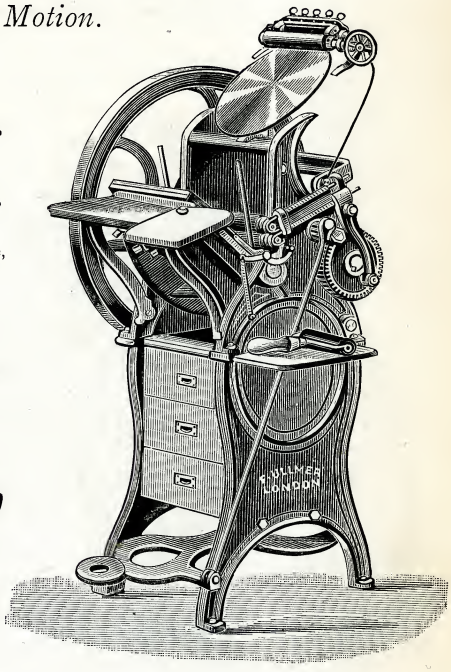
Some Advantages that prove that the "Standard" Platen is a Reliable Machine.

Dead dwell on impression.
Perfect register.
The Impression throw-off is instantaneous, and can be regulated to any degree instantly.
The Grippers can be brought on to the platen without turning the Machine so that they can easily be adjusted.
It is adapted for fine work, having a good distribution.
All the shafts and arms are of steel, and cam wheels are machine-cut.
The framework is very strong.
All materials and workmanship are of the best quality.

The "Little Standard" Treadle Platen Machine.

Made from Entirely New Patterns, and with Latest Improvements.

With Impression Throw-Off Motion.



SIZES:

No. 1. 5 by 8 inside chase. Speed 3,000 per hour by treadle, without Ink Duct .. ***£15 15s.***

No. 2. 7 by 11 inside chase. Speed 2,500 per hour by treadle, without Ink Duct .. ***£24 15s.***

REQUISITES SUPPLIED:
Two Rollers, Hand Roller, Ink Table, Brass Feed Gauge, Two Chases, Wrench, and Three Drawers in Stand.

PRICE LIST OF EXTRAS.

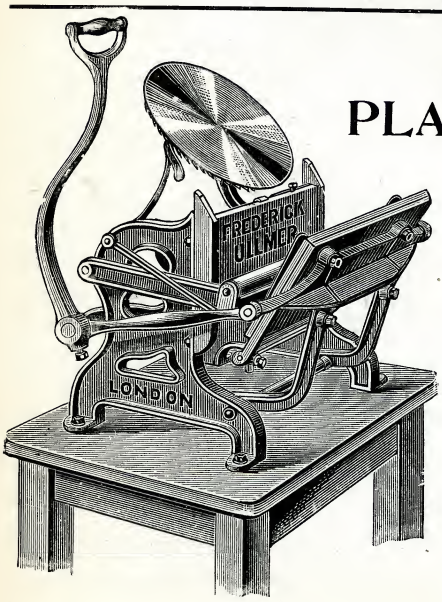
	No. 1.	No. 2.
Ink Fountain	£2 0 0	£2 0 0
Steam Fittings	2 0 0	2 0 0
Roller Stocks, each ...	0 2 2	0 2 4
Roller Moulds, each ...	0 5 6	0 7 6
Chases, each	0 1 9	0 2 0

NO PRINTER CAN AFFORD TO BE WITHOUT ONE!

SPECIALLY ADAPTED FOR LIGHT WORK.
FITTED WITH THROW-OFF APPARATUS.

SPECIAL FEATURES.

Works very easily.
No limit to speed, except the operator's capacity, from 2,000 to 3,000 per hour.
For small work it is infinitely better than a large machine.
Strong, simple, and well finished.
Sheets with large margins can be printed without wrinkling or soiling the paper, as *no side arms are used.*



= = HAND = = PLATEN MACHINE.

FOR HAND POWER.

Cheap and Reliable!

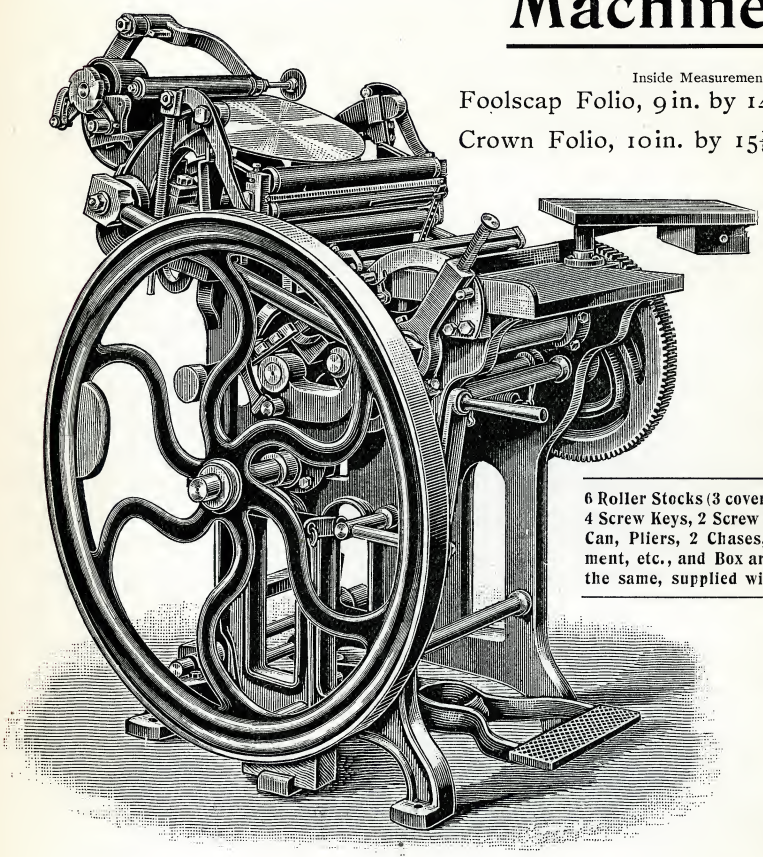
NET PRICES.

No. 7. Prints 6 in. by 9 in. ... ***£7 10s.***

No. 8. Prints 12 in. by 8 in. ... ***£11.***

THIS MACHINE IS WELL FINISHED AND PORTABLE, AND IS VERY USEFUL FOR ALL LIGHT WORK, SUCH AS BILL OR NOTE HEADINGS, VISITING CARDS, ENVELOPES, ETC., ETC.

THE NEW PATENT ANGLO-AMERICAN "Arab" Platen Printing Machine.



Inside Measurement of Chase.

Foolscap Folio, 9 in. by 14 in. **£48.**

Crown Folio, 10 in. by 15⅛ in. **£60.**

The above prices include Treadle, Steam Gear, and Ink Duct.

These Machines are always kept in Stock.

6 Roller Stocks (3 covered), Roller Mould, 4 Screw Keys, 2 Screw Drivers, Lever Oil Can, Pliers, 2 Chases, Blanket, Parchment, etc., and Box arranged to contain the same, supplied with each Machine.

Machines ready for immediate delivery on view at the 'STANDARD' WORKS.

Space required for Machine and Operator—four feet square.

Specialities of the Anglo-American "Arab" Printing Machine.

1.—The Impression Lever or *Striker* is on the left hand side of the operator, and can be thrown on or off instantly, at any position of the Platen.

2.—By the new method of working the Platen, the "dwell" on the type of the paper is twice as long as in other machines of this class—thus saving a severe strain with heavy formes, and giving full and clear impression.

3.—Swivel Feeding Guides, with holes drilled for pins, superseding paste and reglet. These Guides will be found invaluable for accurate and quick working.

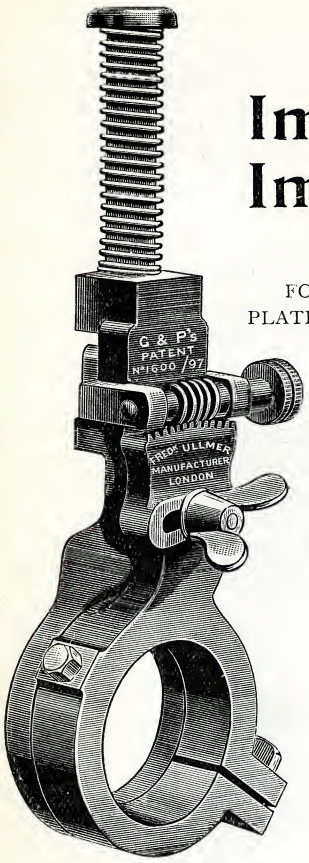
4.—Adjustable Spring Sheet Holder, at right angles.

5.—Rachet motion for holding blanket, same as Cylinder Machines.

6.—Rollers kept revolving on leather bearers, prevents rule-cutting.

7.—Combined brake and throw-off strap guide, stops the Machine instantly.

If fitted with our Time-Saving Patent Impression Adjuster, the Price is 35/- Net, extra.



UNANIMOUS VERDICT: "EXCELLENT!"

Improved Platen Impression Adjuster.

G. & P.'S PATENT No. 1344/97.

FOR ANGLO-AMERICAN "ARAB" PLATEN PRINTING MACHINES ONLY. **35/= Net.**

Special Advantages:—

MARVELLOUS TIME SAVER.—Impression can be altered in a few seconds (see testimonials).

WILL REGULATE from a tissue sheet to a thick card.

CAN BE REGULATED at any position of the platen.

STRONG AND RIGID, made of the the best malleable castings.

WILL FIT ANY "ARAB" MACHINE, either Crown folio or Foolscap folio.

NO DIFFICULTY IN FITTING, and nothing to get out of order.

LARGE NUMBER NOW IN USE, AND EVERY ONE GIVING COMPLETE SATISFACTION.

MANUFACTURED AND SUPPLIED SOLELY BY

FREDK. ULLMER, Ltd., "Standard" Works,

CROSS STREET, FARRINGDON ROAD, LONDON.

What some good Printers say:

39 & 41, High Street, Peckham, London, S.E.
April 16th, 1896.

Dear Sirs,

The Patent Impression Lever you supplied for one of our "Arab" Machines a few weeks ago answers capitally—it is just what was needed. Those who use the "Arab" (and every printer should) will appreciate this excellent invention, as it makes the machine additionally serviceable.

Yours faithfully, COOPER & BUDD.

Tunbridge Wells,
January, 1897.

Dear Sirs,

I have tried your Impression Regulator for the past year, with all kinds of jobbing work on a Crown folio "Arab." Sometimes with Foolscap folio Railway Bills (8-line letter), and then with single-line Address Cards. It has given complete satisfaction in every case, and is as good as the day it was put on. I should say no "Arab" is complete without it.

Yours truly, A. K. BALDWIN.

642 & 644, King's Road, Fulham, London, S.W.
April 15th, 1896.

Dear Sirs,

I have given the new "Arab" Impression Regulator you affixed to my machine a good trial, and find it very valuable. I can speak very highly of it, and believe the small cost will soon be covered by the saving of time. Every machine should have one affixed to it. I believe when its usefulness becomes known, its use will be universal. Wishing you every success.

I remain, yours truly, R. BUCKENHAM.

145, Upper Thames Street, London,
October 3rd, 1896.

Dear Sirs,

Having given your Improved Impression Adjuster (three in use) a good trial. Having been in constant use for some months past, we are pleased to testify to the benefit derived therefrom. The speed and accuracy with which it can be regulated makes it superior to any we have come in contact with. Applied to the "Arab" Machine it supplies a want long felt by printers. No "Arab" Machine we consider perfect without it, and we can strongly recommend it to the trade.

Yours truly, A. SMITH & CO.

Folkestone Programme Office,
36 & 38, High Street, Folkestone,
November 4th, 1896.

Dear Sirs,

We have great pleasure in bearing testimony to the value of your Impression Adjuster. It is a great improvement on the old arrangement as previously fitted to the "Arab." The saving of time and labour is a very great consideration, besides being so simple that even the youngest apprentice can adjust the impression to a nicety. We feel sure that it is only necessary for your capital invention to be more widely known to ensure it being adopted in countless machine rooms.

Yours faithfully, W. & G. STROUD.

Redhill,
July 5th, 1896.

Dear Sirs,

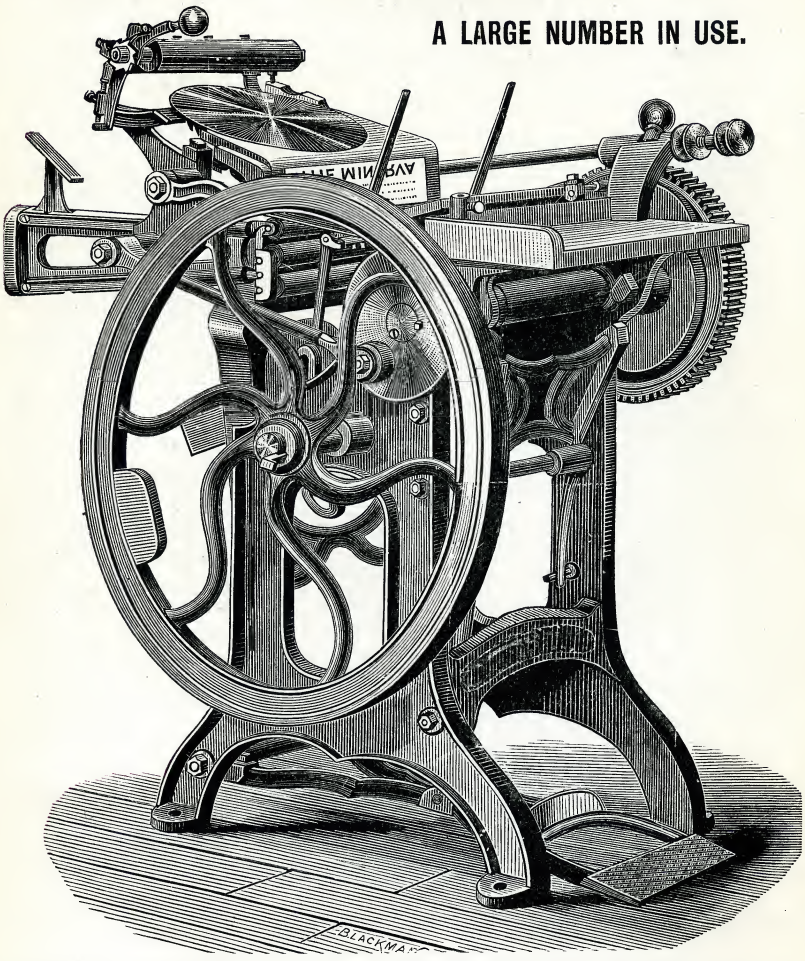
Enclosed I send you cheque for Impression Adjuster. I like it very much; it affords a considerable saving of time in altering the impression to suit different jobs, besides enabling the operator to adjust more truly to the requirements of his work, I feel sure that no one using an "Arab" would be without the Improved Impression Adjuster after an experience of the increased facilities it affords. Yours truly, T. K PEARCE.

Only a small selection from a numerous List.

PATENT

"Minerva" Printing Machine.

A LARGE NUMBER IN USE.



2 Chases, 2 Sets of Roller Stocks, Roller Mould, Wrench, Oil Can, &c., delivered with Machine. Steam Gearing, if required, is charged £2 extra.

Cast Chases for the above Machines are kept in Stock, from 3/- each.

PRICES.

Size.	Inside Chase.	Net Price.
Royal Octavo ...	7 in. by 11 in. ...	£45.
Foolscap Folio ...	9 in. by 14 in. ...	£48.
Crown Folio ...	10 in. by 15½ in....	£58.
Large Post Folio,	11 in. by 17 in. ...	£68.
Demy Folio ...	13½ in. by 19 in. ...	£78.

The above Prices include Ink Duct.

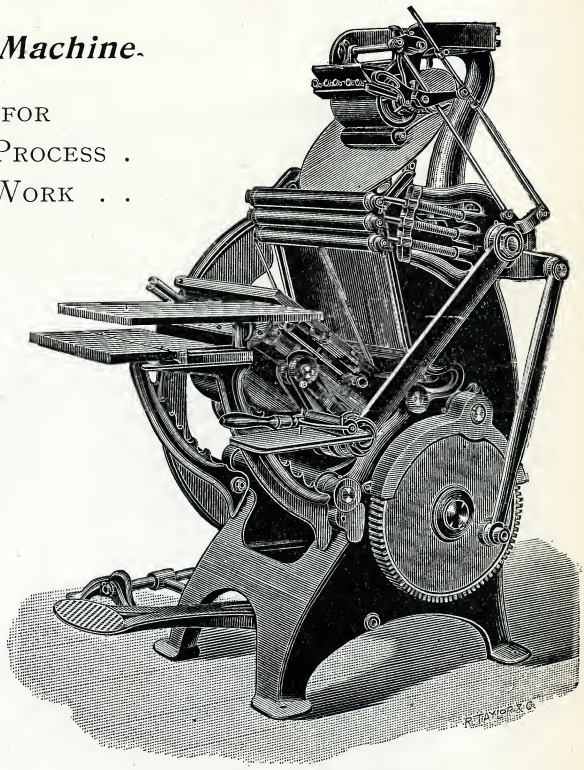
Some of the Advantages of the "Minerva" Machine.

1.—Simplicity of Construction, Compactness, and Strength.
2.—Distribution; this is effected by revolving discs (patented), and is so far superior to that of any other Machine as to be incapable of improvement.
3.—The impression may be regulated by a single screw, and can be thrown on or off instantaneously.
4.—Register is secured by a Locking Apparatus (patented), which secures the platen so firmly while the impression is being given, that slurring is impossible.

THE "STANDARD" JOBBER.

A Fine Art Machine.

SPECIALLY BUILT FOR
HIGH-CLASS PROCESS .
AND BLOCK WORK . .



Solid. Easy to Feed.
Steel Shafts and Side Arms.

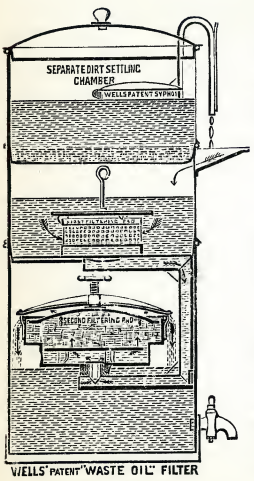
Patented Ink Re-distribution Drum at bottom of Type Bed.

Splendid Distribution with Rider Roller.

Practically double Inking without loss of Speed.

THE "STANDARD" JOBBER.

Demy Folio Machine, with automatic ink duct, one set clothed rollers, one extra set of stocks, two chases, ink table and hand roller, roller mould and spanners	***£85***	***0***	***0***
Patent Duplex Distributing Ink Cylinder and Rider Roller	***£5***	***0***	***0***
Steam Fittings, with Automatic Brake	***£3***	***0***	***0***



WELLS' PATENT "WASTE OIL" FILTER
Sectional view

MADE IN FIVE SIZES TO SUIT ALL REQUIREMENTS.

A QUANTITY of Oil is wasted each week in your machine rooms, just because it needs refining to be again fit for use. Every Printer knows that if only properly filtered, the thick, black liquid which is now discarded as useless would do equally as well as fresh oil. This apparatus will cleanse and make the Oil re-usable.

"Waste Oil" Filter.

(WELLS' PATENT.)

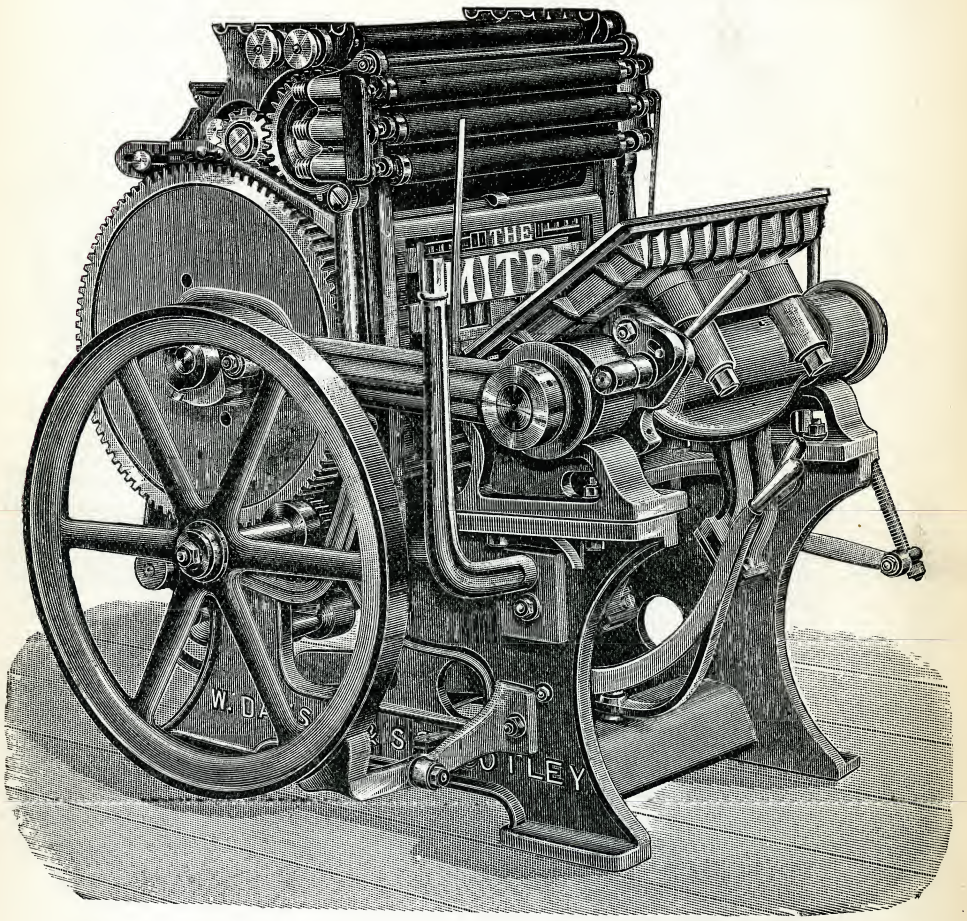
The semi-solid contents of your drip-tins can be used over and over again without loss of lubricating power. The smallest quantity treated as effectually as the maximum capacity of the Apparatus.

PRICES.

No. 1.	Ordinary pattern, will filter 1 gall. of Oil per week	***35/-***
No. 2.	With separate dirt-settling chamber and sight-feed syphons, will filter about 2 galls. per week -	***50/-***
No. 3.	As No. 2, but larger, will filter over 4 galls. per week	***70/-***
No. 4.	As No. 2, but larger, will filter 6 to 8 galls. per week	***110/-***
No. 5.	The largest size, will filter about 20 galls. per week	***189/-***

"Mitre" Platen Printing Machine.

Specially Adapted for Heavy Work.
Silver Medal, Melbourne, 1881.



Size.	Inside Measurement of Chase.	Price.
Foolscap Folio	10⅝ in. by 14½ in.	£65.
Crown Folio	12 in. by 16½ in.	£75.
Demy Folio	13 in. by 19 in.	£85.
Crown Broadside	15¾ in. by 20¾ in.	£95.
Demy Broadside	18¼ in. by 23¼ in.	£125.
Double Foolscap	... ...	£168.
Double Crown	... ...	£205.

The above Prices include Ink Duct, Steam Apparatus, and all the necessary Appliances.

The "Mitre" HAS a Fixed-Bed Platen of the Highest Class, specially designed for the execution of cut and block work of the finest and heaviest kinds, which it does in the best manner, with small consumption of power, while its working parts are so evenly balanced that it equals in speed and facilities for lighter work, machines of weaker construction, and occupies less space. The platen, firmly guided, approaches parallel to the type, and cannot slur. It is entirely at rest while the sheets are fed. The inking and working arrangements are perfect. The supply of ink, the inking rollers, and the impression can be stopped or regulated at will. It is fitted with every appliance necessary in machines of the kind.

The "MITRE" is in use in many of the Largest Printing Offices in London.

CUNDALL'S "VICTORIA" (Patent)

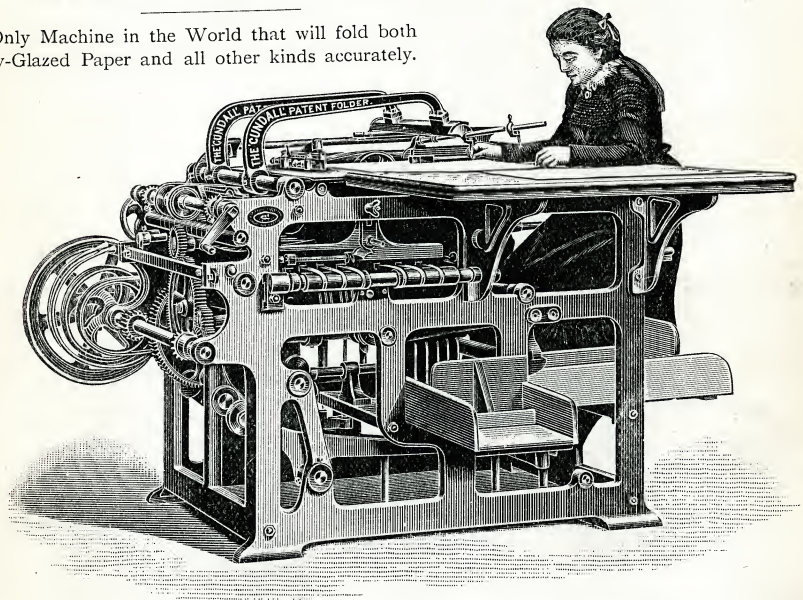
Book=Folding Machine

Has stood the test of many years, and has proved itself to be an Unparalleled Success, resulting in increased popularity and large numbers of repeat orders.

Pronounced by the Trade to stand before the World Unrivalled.
Write for Latest Catalogue, Price List, and Testimonials.

Why remain behind the times by Hand Folding, when Cundall's Folders are such a saving in Time and Money? The absurdity is equal to Printers using the old-fashioned Hand-Press instead of the new swift Up-to-Date Machines.

The Only Machine in the World that will fold both Highly-Glazed Paper and all other kinds accurately.



Purchasers should see this Machine, which will convince them at once of its having No Equal in the Market for Accuracy, Adaptability, and Durability.

THE ONLY MACHINE WORKING REGULARLY ON BIBLE WORK.

Unequalled for variety of work and handiness to users.
Used by most of the Leading Houses in this Country.
Largest Makers of Book-Folding Machines in the World.

Size No. 1. Constructed to fold accurately sheets varying in size from 30 in. by 20 in. to 13 in. by 10 in., into either 4, 8, or 16 pages, as required. **Price ... £120.**

Size No. 2. Constructed to fold accurately sheets varying in size from 36 in. by 25 in. to 20 in. by 13 in., into either 1, 2, 3, or 4 folds, as required. If only required 3 folds, can lay on sheets from 36 in. by 25 in. to 13 in. by 10 in. **Price ... £150.**

Size No. 3. Constructed to fold accurately sheets varying in size from 40 in. by 30 in. to 20 in. by 13 in., into either 1, 2, 3, or 4 folds, as required. If only required 3 folds, can lay on sheets 13 in. by 10 in. **Price ... £190.**

Size No. 4. Constructed to fold accurately sheets varying in size from 48 in. by 35 in. to 20 in. by 13 in., into either 1, 2, 3, or 4 folds, as required. **Price ... £230.**

Size No. 5. Constructed to fold accurately sheets varying in size from 60 in. by 40 in. to 20 in. by 13 in., into either 1, 2, 3, or 4 folds, as required. **Price ... £290.**

COUNTERS.

Durant's Printing Machine Counters.



EVERY PRINTING MACHINE SHOULD HAVE ONE ON IT.

SOMETHING THAT COUNTS! AND COUNTS ACCURATELY!

Received the Highest Award at the World's Columbian Exposition.

They are made entirely of iron, steel, and brass. The dials have large black figures that are easily read at a distance. They can be instantly reset to **0** or any number desired. A bracket is furnished with each machine for convenience in securing it to the feeding board of machine. These counters can be used on any machine where it is desirable to keep an automatic record of the work performed. A Counter will soon pay for itself by preventing errors. So used by nearly all printers in the United States.

Each Counter is furnished with a bracket and pull-string for convenience in securing them to any part of the machine. Adapted for Cylinder and Platen Machines. Accurate and durable, and being nickel-plated, are ornamental in appearance.

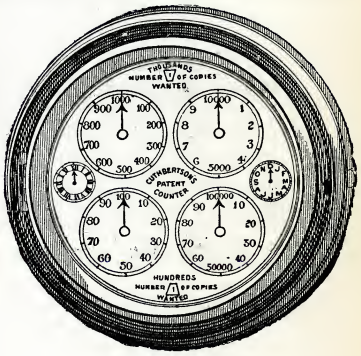
PRICES.

No. 1.	Four Dials, registering 10,000	£1 15 0
No. 2.	Five Dials, registering 100,000	2 5 0
No. 3.	Five Dials, registering 100,000, with 4 in. gong to give an alarm at each 100	3 7 6

Adapted for Cylinder and Platen Machines. *Adapted for Linotype Machines.*
Reliable at high speed. *Interchangeable Parts.* *Carefully constructed.* *Largely used.*

☛ **Have fitted these Counters to many "Standard" Cylinder Machines.**

Cuthbertson's Patent Counter.



CANNOT POSSIBLY MISCOUNT.
CANNOT BE TAMPERED WITH.
SIMPLE IN CONSTRUCTION.
COMPACT AND STRONG.
WILL NOT HEAT OR GET OUT OF ORDER.

PRICES.

Three-Dial Counter, to indicate up to 10,000	£3 0 0
Four-Dial Counter, to indicate up to 100,000	3 10 0
Four-Dial Counter, to indicate up to 100,000, for two-colour or two-feeder machines	4 5 0

Bell, if required, 10/- extra.

DIRECTIONS FOR FIXING THE "CUTHBERTSON" PATENT PRINTING MACHINE COUNTER.

With the Counter is supplied a cast-iron bracket (free of charge) for fixing to machine.
A little off centre of cylinder shaft, is fixed a small ordinary iron pin, $\frac{3}{16}$ in. thick. When the Counter is closed. this pin fits into slot at back thereof, which thereby gets its motion.
Care should be taken to fix pin in correct position, so as to work in about the middle of the slot at back of Counter.
An ordinary fitter can do all that is required at a very small cost.
For Litho—the Counter being fixed on brake side of cylinder—we supply a special bracket according to make of Machine.

TWO GOOD THINGS! TIME SAVERS!
WORK IMPROVERS!

PATENT RECIPROCATING DISTRIBUTION ROLLERS.



ADVANTAGES:

More equal Distribution of Ink. Great Saving of Ink. Better Work with Single Rolling, while the cost is less by one half than any ordinary Geared Riders.

THE above distinct advantages are gained by the use of this simple appliance, consisting as it does of two highly-finished polished steel **Rider Rollers,** which have a to-and-fro lateral movement of over two inches imparted to them by means of a steel "worm" as shown in drawing. This appliance can be fitted to any ordinary Cylinder Machine, and by means of a friction collar, any possibility of the rollers jumping is entirely avoided, consequently these Rider Rollers can be put in any position whatever, without any possibility of accident through jumping.

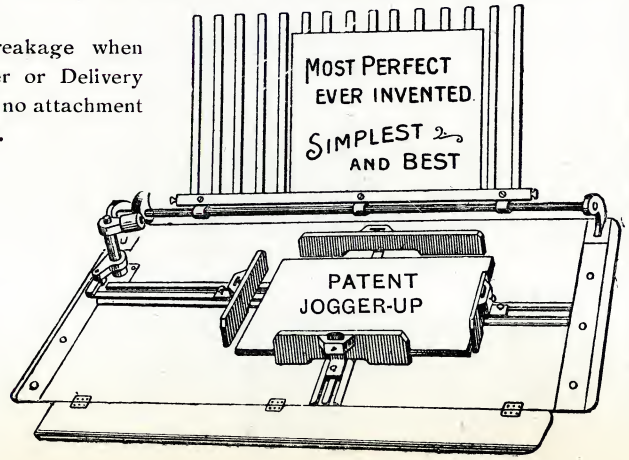
OUR PRICE:—

£5 10s.

PER SET OF TWO ROLLERS.

THE PATENT JOGGER-UP.

No danger of breakage when lifting either Flyer or Delivery Board, there being no attachment to the Flyer Shaft.



PRICE:

£4 net.

GIVING COMPLETE SATISFACTION.

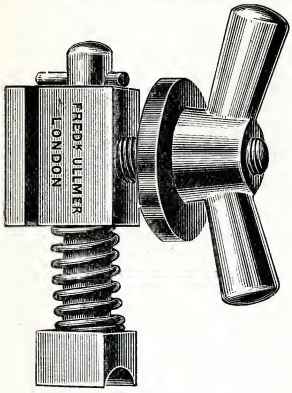
STRONG AND RELIABLE.

Fredk. Ullmer, Ltd., Standard Works, Cross Street, Farringdon Road, London.

"Standard" Improved Roller Spring Clamp.

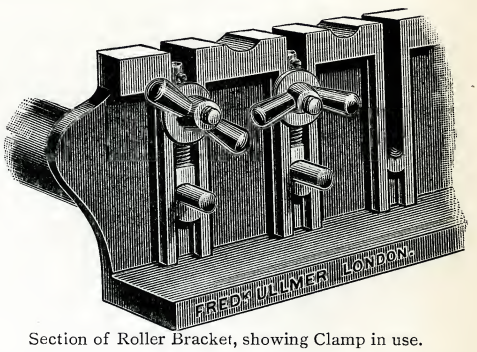
For use on Cylinder Machines, to prevent Rollers jumping. An important acquisition where no Roller Fasteners are already in use.

☛ These are not Toys or roughly-finished articles, but strong, durable, and well-finished; made of the best malleable castings, with gun-metal improved Thumb-screw.



Roller Clamp complete.

Adaptable to any Cylinder Machine, and a great assistance to even distribution of ink.



Section of Roller Bracket, showing Clamp in use.

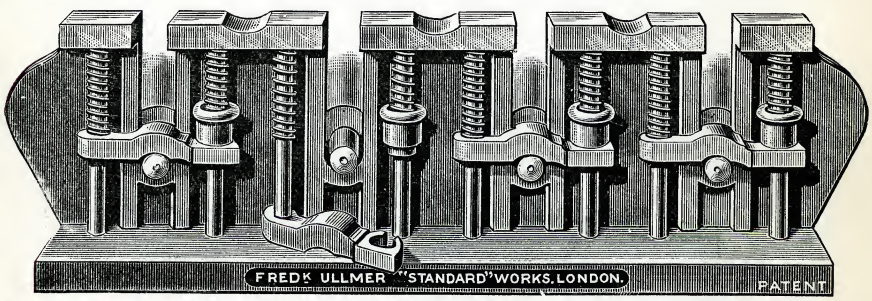
To fit Roller Brackets with Slots any size up to $\frac{3}{4}$ in. wide - per pair **4s. 6d.**

When giving orders, please say the width of the Slot in Roller Fork, also thickness of the Bracket.

THE above illustrations are self-explanatory. These Roller Clamps are made in sizes to fit roller brackets with slot from $\frac{5}{16}$ to $\frac{3}{4}$ in. wide, and other sizes if necessary. By means of our IMPROVED THUMB-SCREW an excellent leverage is obtained, and no spanner or other tools are required, either to loosen or secure them to roller bracket. The Roller Spring Clamp is simply put into the slot of the roller bracket; the projecting ledge clamps the one side, and the washer and adjustable thumb-screw the other, and make it perfectly secure. The pressure is just sufficient to prevent the rollers jumping, and thereby avoid uneven distribution of ink.

Patented Improved Roller Fork or Bracket.

NOW FITTED TO HIS IMPROVED "STANDARD" CYLINDER PRINTING MACHINES.



PRICES. Demy Folio to Royal size, complete .. **£2 10s.** Per pair.
Super Royal to Double Royal, complete **£3 10s.** ,,

LARGER SIZES AT PROPORTIONATE RATES.

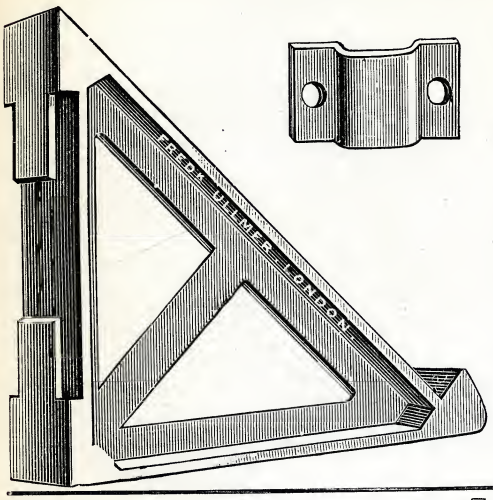
CAN be fitted to any Cylinder Machine. All the information required is the position of the holes on the side frame. The above illustration will show the utility of this article. It is generally admitted that rollers, if not held in position when in the roller forks, jump and cause an uneven distribution of ink; but the use of this **Patent Roller Bracket** will obviate this. It holds the rollers in position, but is sufficiently pliable to allow the amount of play required.

It is strong and durable and not likely to get out of order, and as all parts are made to TEMPLATE there is no difficulty in renewing any of the springs, or pillars, or cross-bars—which are supplied at a trifling charge; and **it is so arranged** that there is **no difficulty** in fitting any of the parts referred to in case of renewal or accident.

There is a pillar with a spring on it on each side of each slotted hole, and a cross-piece or bar stretches from one pillar to the other, and when the roller is in position, this cross-piece rests on the end of the roller and is kept down by the pressure of the springs. A thimble-piece is fitted on to the right-hand pillar of each slot and fits into a slotted hole in the cross-bar and secures it. To release the roller, slightly raise the thimble with the fingers and pull the cross-bar away and it falls down as shown above; the roller is then free.

SETS USEFUL IRON BRACKETS.

LABOUR SAVERS.
SPACE ECONOMISERS.



USEFUL ARTICLES!
EVERY OFFICE SHOULD USE THEM!

Reversible Iron Galley Brackets.

THIS is on the first glance an ordinary Bracket reversed, so as to accommodate a galley in a sloping position, the projecting lip at the bottom preventing the galley slipping off. It is, however, held in position by being simply placed in a holder attached to the frame or wall, and may be lifted out at pleasure and reversed, thus affording a flat support for either galleys or narrow letter boards.

The ends of frames can in this way be made use of for accommodating a number of galleys, either sloping or flat as may be desired, and vacant parts of walls may be utilised in like manner. It may also be used as a support for randoms for leads, and in fact will be found useful in many respects in office fitting.

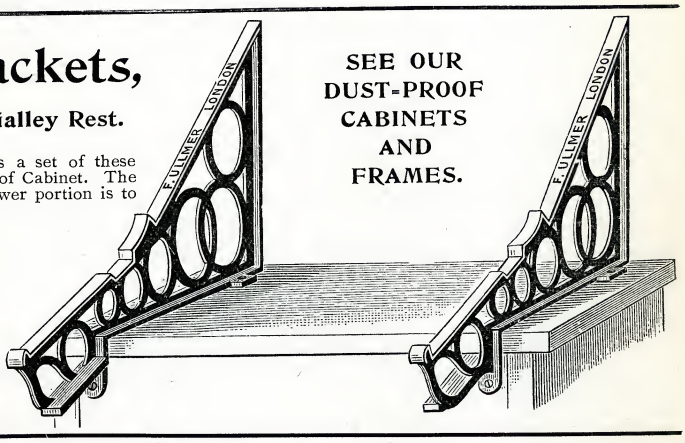
PRICE, *2/6* PER PAIR.
SIX PAIRS FOR *14/-*.

Case Brackets,

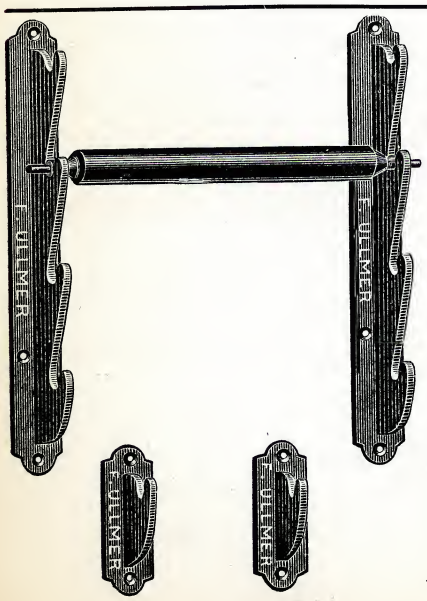
With Sloping Galley Rest.

THIS Illustration shows a set of these Brackets fitted on top of Cabinet. The slot in the side of the lower portion is to support the case when access is required to the galley or top of cabinet beneath. Strong, useful, and handy—can be used on table, frame, or cabinet.

PRICE, *6/6* PER PAIR.



SEE OUR DUST-PROOF CABINETS AND FRAMES.



Machine or Press Roller Brackets.

ADJUSTABLE TO FIT ANY SIZE ROLLER.
A GREAT BOON IN A MACHINE ROOM.
LIGHT YET STRONG.

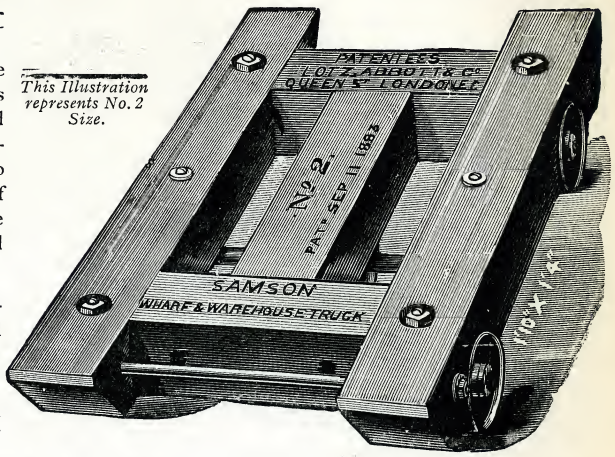
PRICE, *4/6* PER SET.
LARGER SIZE, TO TAKE TEN ROLLERS, *7/6* PER PAIR.

THIS Set comprises Two Large Brackets for the Inkers and Wavers, and Two Small Pieces for the Duct Roller. Holes are drilled in them, so that they are easily fixed to any vacant wall space. In this illustration a Roller is shown in position. Very handy and compact.

The "Samson" Warehouse Truck.

THE "Samson" Wharfe and Warehouse Truck is a cheap, simple, strong, and efficient appliance for removing heavy loads from place to place. By the adaptation of the central rotating wheels the load is readily run and steered into any desired position.

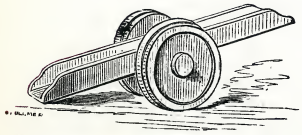
Extra strong and thoroughly bolted together, mounted on six heavy iron wheels, with centre rotating wheels.



This Illustration represents No. 2 Size.

No. 1 Size—3 ft. by 2 ft., to carry 50 cwt. ... ... Price, **£2 2s.**
No. 2 Size—1 ft. 10 in. by 1 ft. 4 in., to carry 30 cwt. Price, **£1 1s.**

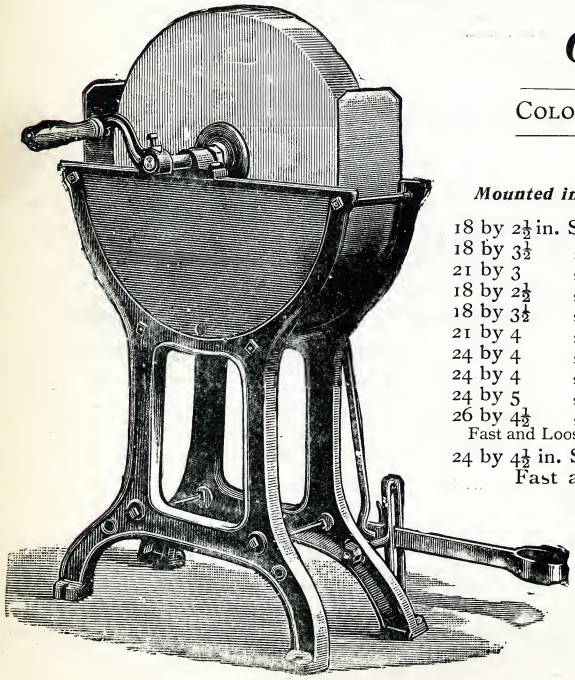
Noiseless Forme Carriage.



This useful article will be found convenient in moving heavy formes in chase, instead of carrying them .. .. **£1 1s.**

For Litho Stones .. .. **£1 5s.**

Grindstones.



COLONIAL PATTERN, IN TROUGHS.

PRICE.

Mounted in Iron Frame, with Treadle and Handle.

	£ s.
18 by 2½ in. Stone	1 12
18 by 3½ ,, ...	1 16
21 by 3 ,, ...	2 2
18 by 2½ ,, Anti-friction Rollers ..	1 15
18 by 3½ ,, ,, ,, ..	1 18
21 by 4 ,, ,, ,, ..	2 10
24 by 4 ,, with Bearings	2 15
24 by 4 ,, Anti-friction Rollers ..	2 15
24 by 5 ,, ,, ,, Extra Strong	3 10
26 by 4½ ,, ,, ...	3 15

Fast and Loose Pulleys fitted to the above, **15/-** per pair extra.

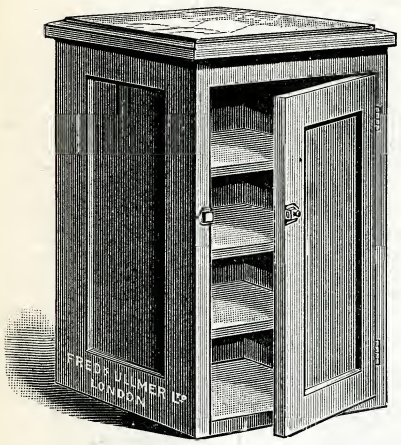
24 by 4½ in. Stone, Wrought Iron Frame, with Fast and Loose Pulleys **4 10**

LARGER SIZES, WITH PULLEYS FOR POWER.

Prices on Application.

THE "STANDARD"

INK CABINET.

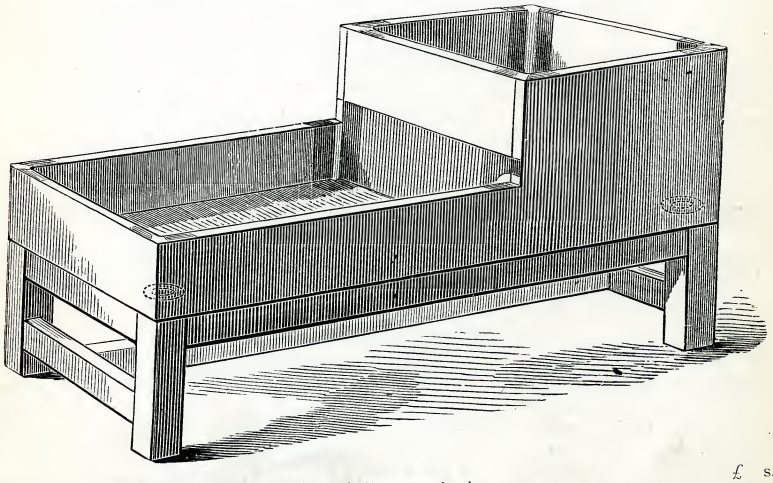


MONEY SAVER!

Much ink is wasted for lack of a proper place to keep the cans or jars containing the same, especially such as is not continually in use. This Cabinet provides a place for every can or jar, and the waste may be reduced to a minimum.

It contains four divisions, with marble slab, 18 × 24 in., on top for mixing inks ***£2 18 0***

WETTING TROUGH.



	£	s.	d.
Wetting Trough and Sink, lined with Lead (large size)	7	10	0
Ditto ditto lined with Lead (small size)	6	0	0
Ditto ditto lined with Zinc (large size)	6	0	0
Ditto itto lined with Zinc (small size)	4	10	0

WETTING BOARDS.

	£	s.	d.
Demy, with Battens, 24½ in. by 19 in. ... ... per pair	0	7	6
Royal, ,, 27 in. by 22 in. ... ... ,,	0	8	6
Double Crown, with Battens, 32 in. by 22 in. ... ... ,,	0	9	6
Double Demy, ,, 37 in. by 24½ in. ... ... ,,	0	13	0
Double Royal, ,, 42 in. by 27 in. ... ... ,,	0	15	0
News size, 48 in. by 38 in. ... ... ,,	1	0	0

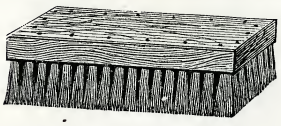
These can be supplied flat, similar to a Pressing Board, 3/- per pair extra.

OTHER SIZES AT PROPORTIONATE PRICES.

LYE BRUSHES—Ordinary Quality.

These are excellent Brushes for wear, although not as stiff in the Bristles as our Best Quality (see above). The length of the Bristle is ¼ in. longer.

Ordinary Quality.



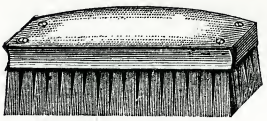
Warranted all Bristle.

		s.	d.
Size of Brush, Galley, 6½ in. by 2½ in.	each	2	3
,, Small, 8 in. by 2¾ in.	,,	3	3
,, Medium, 8¾ in. by 3¼ in.	,,	4	0
,, Large, 9¾ in. by 3½ in.	,,	4	6
,, News, 11 in. by 3½ in.	,,	5	0

Special Prices for Quantities.

LYE BRUSHES—Special Quality.

Extra Stiff Bristle.



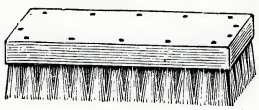
Solid Screwed Back and Grooved.

		s.	d.
Size of Brush, Galley, 6½ in. by 2½ in.	each	2	6
,, Small, 8 in. by 2¾ in.	,,	3	6
,, Medium, 8¾ in. by 3¼ in.	,,	4	6
,, Large, 9¾ in. by 3½ in.	,,	5	0
,, News, 11 in. by 3½ in.	,,	5	6
Special, extra close, 8 in. by 2¾ in.	,,	6	6
Ditto 8¾ in. by 3¼ in.	,,	7	6

After use care should be taken that no potash or lye remains in the brush, which should be rinsed in water and dried. By this means the brush will last longer and the bristle regain its stiffness.

CHEAP FIBRE LYE BRUSHES.

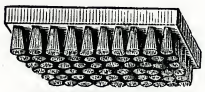
These will be found useful for coarse work where a cheaper brush than Bristle is required.



		s.	d.
Size of Brush, Small, 8 in. by 2¾ in.	each	1	0
,, Medium, 8¾ in. by 3¼ in.	,,	1	4
,, Large, 9¾ in. by 3½ in.	,,	1	9

PICK BRUSHES—Ordinary.

Warranted

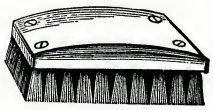


all Bristle.

Small Size, 4½ in. by 2¼ in., each ... 1/- Large Size, 5¼ in. by 2¾ in., each ... 1/6

PICK BRUSHES—Special.

With solid screwed back.



Warranted all Bristle.

Size 5¼ in. by 2¾ in., each ... 2/3 Size 5¼ in. by 2¾ in. (special close knots) ... 2/9

Stereo Beating Brushes, &c., see Stereo Department.

Sundries for the Machine Room.

PALETTE KNIVES.



	s.	d.		s.	d.
6 inch ... ... each	1	0	10 inch ... ... each	2	3
7 ,, ... ,,	1	2	11 ,, ... ,,	2	9
8 ,, ... ,,	1	4	12 ,, ... ,,	3	6
9 ,, ... ,,	1	9	15 ,, ... ,,	5	0

PAPER KNIVES.

Paper Knife, Buckhorn Handle, 11 inch Blade	each	4	6
Ditto Wood ,, ditto	,,	3	6
Machine Minders' Make-ready Knife, for Pocket, in Case	,,	1	6
Ditto ditto ditto Common ... from	,,	0	6

TURPS DIFFUSERS.

	s.	d.		s.	d.
Half-pints, each	2	6	Pint	3	0

Larger Sizes—Proportionate Prices.

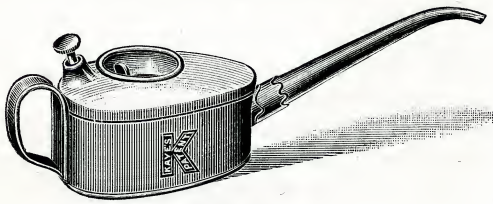
LUBRICATORS.

Needle Lubricators, 9d. and 1/- each.

Oil Cups, Cast Iron, for Shafting, from 1/- each.
,, Tin ,, 1/3 each.

THE STEEL SEAMLESS OIL CAN.

Serviceable.



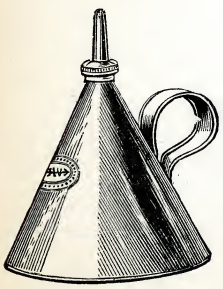
Durable.

PRICES.

$\frac{1}{3}$ Pint ... 1/6. $\frac{1}{2}$ Pint ... 1/8. $\frac{3}{4}$ Pint ... 2/-. 1 Pint ... 2/6. $1\frac{1}{2}$ Pint ... 3/-.

Largely used by H. M. Navy, H. M. War Department, Home Office, &c.

Gallon Can for Storing Oil ... 4/- each. $\frac{1}{2}$ Gallon ... 3/- each. 5 Gallon Kegs ... 5/- each.



PATENT

PYRAMID SAVE-ALL OIL CAN.

HAVING a circular groove round the base of the spout, by which the drops are caught and returned into the can every time it is used.

Prices.

1/-, 1/6, and 1/9 each.

Sundries for the Machine Room—*continued.*

LEATHER BANDS.—Best Quality.

SINGLE.

		s.	d.			s.	d.
1 inch wide	per foot	0	4	$3\frac{1}{4}$ inch wide	per foot	1	5
$1\frac{1}{4}$,, ...	,,	0	6	$3\frac{1}{2}$,, ...	,,	1	7
$1\frac{1}{2}$,, ...	,,	0	7	$3\frac{3}{4}$,, ...	,,	1	8
$1\frac{3}{4}$,, ...	,,	0	8	4 ,, ...	,,	1	10
2 ,, ...	,,	0	9	$4\frac{1}{4}$,, ...	,,	2	0
$2\frac{1}{4}$,, ...	,,	0	10	$4\frac{1}{2}$,, ...	,,	2	1
$2\frac{1}{2}$,, ...	,,	1	0	$4\frac{3}{4}$,, ...	,,	2	3
$2\frac{3}{4}$,, ...	,,	1	2	5 ,, ...	,,	2	5
3 ,, ...	,,	1	4				

DOUBLE.

		s.	d.			s.	d.
3 inches wide	per foot	2	7	$4\frac{1}{2}$ inches wide	per foot	4	1
$3\frac{1}{2}$,, ...	,,	3	2	5 ,, ...	,,	4	6
4 ,, ...	,,	3	7				

BEST LEATHER BAND LACES.

		s.	d.			s.	d.
3 feet long	per dozen	4	0	4 feet long	per dozen	5	0

GUT DRIVING BANDS.

		s.	d.			s.	d.
$\frac{3}{16}$ in. diameter	per foot	0	4	$\frac{7}{16}$ in. diameter	per foot	1	2
$\frac{1}{4}$,, ...	,,	0	5	$\frac{1}{2}$,, ...	,,	1	5
$\frac{3}{8}$,, ...	,,	0	11	$\frac{5}{8}$,, ...	,,	2	5

Hooks and Eyes, from 2/- per pair, upwards.
Leather Band Hand-Punch, 2/6 each.
Leather Band Fasteners, various, from 1/- per dozen.
Jackson's Patent Button Fasteners, from 1/6 per dozen.
Copper Rivets, 2/6 per lb.

OIL.

	s.	d.
Best Special Sperm, for Gas Engines, per Gallon ...	4	6

In quantities of 5 gallons, 3/6 per gallon.

Strongly Recommended for Gas Engines.

COTTON WASTE AND SPONGE CLOTHS.

	£	s.	d.
Best Quality, White ... ... from, per cwt	2	10	0
Ditto smaller quantities ... ... per lb.	0	0	6
Coloured ... ... from, per cwt	1	12	0
Ditto smaller quantities ... ... per lb.	0	0	4
Sponge Cloths... ... ... per dozen	0	1	6

Sundries for the Machine Room—*continued.*

MACHINE BLANKETS, TAPES, &c.

Finest Quality. Specially Made for Printers' Use.

	Fine. s. d.	Medium. s. d.	Stout. s. d.
36 inches wide, per yard	9 0 ...	10 0 ...	11 0
42 ,, ,, ...	9 6 ...	10 6 ...	12 9
48 ,, ,, ...	10 6 ...	11 6 ...	14 6
54 ,, ,, ...	11 9 ...	13 6 ...	16 6
60 ,, ,, ...	13 0 ...	14 6 ...	18 0

Blankets Other Sizes or Quality Supplied to Order.
If a piece of about 20 yards is taken, a reduction of 6d. per yard is made.

WASHABLE-FACE BLANKET.

	s. d.
Brown Improved Washable-face Cloth, 46 in. wide ... ... per yard	3 6
Black ,, ,, ,, 45 ,, ... ,,	4 6

SWANSKIN.

	s. d.
30 inches wide, Best Quality ... ... per yard	6 6
30 ,, Second Quality ... ... ,,	5 0

CALICO FOR OVERLAYS, &c.

42 inches wide, per yard, 1/-, reduction if 12 yards, or more, is taken.

PATENT INDIA-RUBBER BLANKETS.

	£ s. d.
36 Stout Black Face ... ... per yard	0 18 0
48 ,, ... ,,	1 3 0
60 ,, ... ,,	1 7 0
36 Thin White Face... ... ... ,,	0 14 0
48 ,, ... ,,	1 1 6
60 ,, ... ,,	1 5 6

Rubber Blankets, any size, made to order. Press Blankets, see Press Sundries.

MACHINE TAPES.

	s. d.		s. d.
$\frac{3}{16}$ inch wide ... ... per piece	0 10	1 inch wide ... ... per piece	2 6
$\frac{1}{4}$,, ... ,,	0 10	$1\frac{1}{8}$,, ... ,,	2 10
$\frac{5}{16}$,, ... ,,	0 10	$1\frac{1}{4}$,, ... ,,	3 1
$\frac{3}{8}$,, ... ,,	0 10	$1\frac{3}{8}$,, ... ,,	3 5
$\frac{1}{2}$,, ... ,,	1 3	$1\frac{1}{2}$,, ... ,,	3 9
$\frac{5}{8}$,, ... ,,	1 6	$1\frac{3}{4}$,, ... ,,	4 4
$\frac{3}{4}$,, ... ,,	1 10	2 ,, ... ,,	5 0
$\frac{7}{8}$,, ... ,,	2 2		

ELASTIC INDIA-RUBBER TAPES.

	s. d.		s. d.
$\frac{1}{2}$ inch wide ... per dozen yards	2 0	$\frac{7}{8}$ inch wide ... per dozen yards	3 0
1 inch wide ... per dozen yards	3 6		

All Tapes and Blankets subject to variation in Market Prices.

STEREO AND LINOTYPE METALS.

	£ s. d.
Linotype Metal, best quality ... ... per cwt.	1 8 0
Stereo Metal, best quality ... ... ,,	1 8 0
Ditto special quality ... ... ,,	1 11 0

Special Prices for Quantities.

Sundries for the Machine Room—*continued.*

The "Flexard" Printers' Blankets.



Each Blanket stamped with the Registered Trade Mark. Every Labour-Saving Invention is beneficial.

HIGHLY COMMENDED WHERE IN USE.
THE INVENTION OF A PRACTICAL PRINTER.

PRICES—Cylinder Machines.

Crown Folio,	21 in. by 17½ in.	4/6	Double Crown,	36 in. by 33 in.	8/-
Demy Folio,	23 in. ,, 20 in.	5/-	Double Demy,	45 in. ,, 38 in.	9/-
Crown,	25 in. ,, 22 in.	6/-	Double Royal,	49 in. ,, 43 in.	11/6
Demy,	34 in. ,, 25 in.	6/6	Quad Crown,	51 in. ,, 54 in.	13/-
Royal,	39 in. ,, 28½ in.	7/-	Quad Demy,	58½ in. by 49½ in.	15/-

PRICES—Platen Machines.

Demy Octavo		1/6	Crown Folio,	16½ in. by 16½ in.	2/6
Foolscap Folio,	15½ in by 13½ in.	2/-	Demy Folio,	18½ in. ,, 12½ in.	3/-

Prices of other sizes on application.

FIVE POINTS OF ADVANTAGE.

1. It is resilient and reduces the indentation to a minimum.
2. It is sensitive and will work with a light impression, enabling the machinist to secure the best results from worn type or blocks.
3. It saves much time in making ready.
4. It reduces the wear on type and requires less power to drive.
5. It does not easily cut, seldom requires changing, and, with all the above advantages, costs no more than a common Blanket.

INSTRUCTIONS FOR USE.

GENERAL WORK. The nearer the Blanket is to the type, the more sensitive the impression. For ordinary formes, four sheets of paper should be placed on top for making ready. Formes with Half-Tone Blocks require five sheets of paper, ordinary thickness.

HEAVY FORMES (Wood Type or Wood Blocks). An underlay Blanket of same material can be used to advantage. These can be obtained at half the cost of an ordinary Blanket.

CAUTION: Set-Offs. Paraffin is better than oil for the set-off sheet. If oil is used, care should be taken that it does not reach the Blanket, or it may soften and injure the fabric. With ordinary care these Blankets are very durable.

FREDK. ULLMER, Ltd., manufacture or stock every description of Printing Machinery and Material, and supply Complete Outfits from a Bodkin to a Fine Art Machine!

They have also generally an excellent stock of Second-Hand Machines, Cylinder and Platen Machines, Cutting Machines, Presses, &c., and can serve you well and save you money.

Sundries for the Machine Room—*continued.*

	£	s.	d.
Straight-Edges ... ... per inch	0	1	0
Hand Vices, to fix on bench ... ... each, from	0	15	0
Files ... ... ,,	0	1	0
Saws, best quality ... ... ,,	0	3	6
Saw Blocks, wood ... ... ,,	0	3	6
Scissors, sharp-pointed, for cutting out overlays ... ... per pair	0	1	3
Ditto ditto ditto stronger ... ... ,,	0	2	6
Pliers ... ... ,,	0	2	0
Bellows ... ... ,,	0	2	9
Wood Stools ... ... from, each	0	5	0
Page Cord, best quality, fine, and strong ... ... 7d. per ball, per doz.	0	6	0
Paper Balance, for weighing sheets of paper ... ... each	1	5	0
Wrought Iron Bearers, planed true to height ... ...from per inch	0	0	6
Quoining Wrench ... ... each	0	3	6
Bone Folder, small ... ... ,,	0	0	5
Ditto larger ... ... from each	0	0	8
Sheepsfoot Hammer ... ... each	0	2	0
Gun Metal Machine Hammer ... ... ,,	0	4	0
Screw Drivers... ... ... from each	0	1	6
Ink Brayers ... ... ,,	0	1	0
Ink Slices ... ... ,,	0	1	9
Machine Points ... ... from, per pair	0	1	0
Glue, fine quality ... ... per cwt.	3	10	0
Treacle ... ... ,,	1	0	0
Large Cast Iron Lye Jar ... ... each	0	15	0
Small ditto, with handle ... ... ,,	0	7	6
Potash ... ... per cwt.	2	14	0
Pearl Ash ... ... ,,	1	16	0
Best Soda ... ... ,,	0	10	0
Lye Preparation ... ... per lb., 3d., ,,	1	5	0

"Standard"

AN ENTIRELY NEW CHEMICAL MIXTURE.

CHEAP, QUICK IN CLEANSING, AND HARMLESS.

NOW USED BY MANY OF THE LARGEST PRINTERS IN LONDON AND THE PROVINCES.

Type Cleanser.

So Reasonable in Price that everyone may use it, and will keep for months in a dry place. Never — loses its strength or absorbs the moisture. —

THIS is an article of great merit and supersedes Pot and Pearl Ash, Turpentine, Paraffin, &c., for Cleansing Type, &c. It removes all Inks rapidly and thoroughly, and leaves type clean, bright, and free from greasiness. It is a white powder, dissolves easily, leaves no sediment, has no smell, is colourless, and being absolutely free from causticity, is perfectly harmless to everything. Being non-inflammable, the risk of fire is reduced to a minimum. It is a non-irritant and will not affect the skin. It preserves its strength for a long time.

One Cwt. makes 150 Gallons of Wash

AT A COST OF RATHER LESS THAN **1½d.** PER GALLON.

SMALLER QUANTITIES IN PROPORTION.

Directions for Use.—Thoroughly dissolve 12 ozs. of the powder in a gallon of boiling water—add the powder slowly, as it then dissolves better. Let it stand till cold and it will become a pure clear liquid ready for use.

PRICES.

14 lb., 3/6. 28 lb., 6/6. 1 cwt. kegs, 24/-.

Special Terms for Larger Quantities.

Sundries for the Machine Room—*continued.*



CUTTING-OUT KNIFE with cap to fit on blade, same as a fountain pen, with three blades ... each **1/6**



SCISSORS FOR MAKING READY, ... **1/6**
(Small size.)

BRASS RULE SHEARS (strong) **4/6**



KNIFE FOR MAKING READY, with Sliding Blades ... ... each **1/3**

CUTTING-OUT BLADES, with Wood Handle (ordinary kind) ... ... each **8d.**
per doz. **6/6**

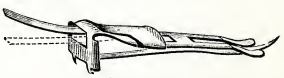
GAUGE PINS.



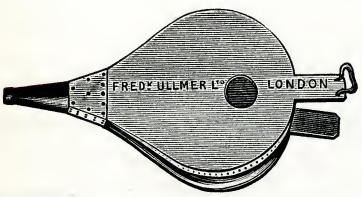
No. 2, **1/3** per doz.



No. 1, **1/-** per doz.



No. 3, **2/6** per doz.



BELLOWS ... ... per pair **3/6**



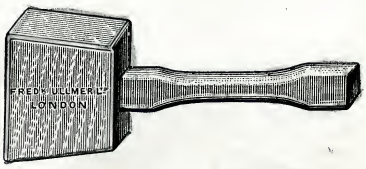
STEEL COMPASS, with hardened points ... **2/6**



PLANERS ... ... Jobbing, **1/-**; News, **1/6**



HAMMER, sheep's-foot (as above), malleable iron **1/6**
Do. machine minder's, wrought iron ... **4/-**
Do. gun-metal, with steel screw driver end **4/-**
Do. do. wood handle **3/-**



MALLETS ... ... Jobbing, **1/6**; News, **2/6**

THE "STANDARD" IMPROVED SHOOTING STICK.

(Registered No.).

NO MORE DAMAGED SURFACES WHERE IN USE.





MADE OF BEST WROUGHT IRON.

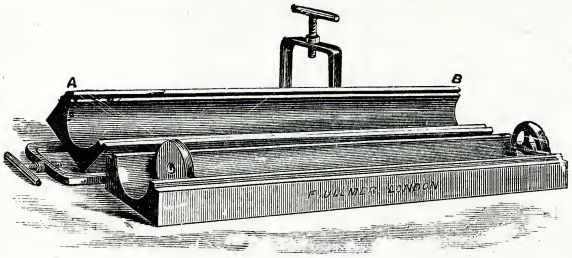
TRY ONE!

PRICE - - 3/- each.

Most printers have reason to complain of the damage done to the beds of Machines and Imposing Surfaces by injudicious use of shooting sticks. This improved Shooting Stick is the invention of a practical machine minder, and is being used successfully. The cross-piece rides on the chase and protects the shooter from dipping, so that no damage can be done to the Imposing Surface or bed of machine.
They are very durable and should be in every office, news and jobbing.

Sundries for the Machine Room—*continued.*

IRON MACHINE-ROLLER MOULDS.



Beautifully Bored and Polished.

		£	s.	d.
Demy Folio Machine ...	each	2	15	0
Foolscap Machine ...	,,	3	0	0
Crown Machine	,,	3	10	0
Demy Machine ...	per pair	7	0	0
Royal Machine	,,	8	0	0

Made to open in Halves.

		£	s.	d.
Double Crown Machine	per pair	9	0	0
Double Demy Machine	,,	10	0	0
Double Royal Machine ...	,,	11	0	0
News Machine	,,	16	0	0

Estimates furnished for Moulds of any length and diameter.

IRON PRESS-ROLLER MOULDS.

Bored and Fitted in Halves.

		£	s.	d.
Demy, 26 in.	each	3	10	0
Super Royal, 28 in. ...	,,	4	0	0
Double Crown, 34 in. ...	each	5	0	0

STOUT BRASS MOULDS.

		£	s.	d.
12 in. long by 3½ in. diam.	each	0	12	0
14 in. ,, ,,	,,	0	14	0
18 in. ,, ,,	,,	0	18	0
23 in. ,, ,,	,,	1	3	0
25 in. long by 3½ in. diam.	each	1	5	0
28 in. ,, ,,	,,	1	8	0
30 in. ,, ,,	,,	1	10	0

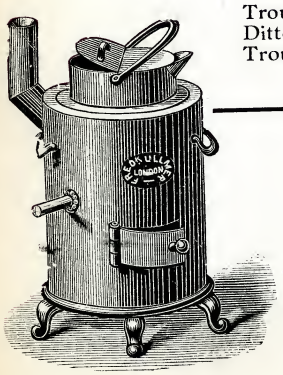
With Centres and Bottoms complete.

A stock of second-hand Moulds usually on hand.

IRON MACHINE-ROLLER TROUGHS

FOR WASHING ROLLERS.

With Two Divisions for Lye and Water.



	£	s.	d.
Trough, 4 ft. long	4	0	0
Ditto, 5 ft. ,, ...	4	10	0
Trough, 6 ft. ,, ...	5	0	0

Wood Stands for ditto, very strong, 12/- each.

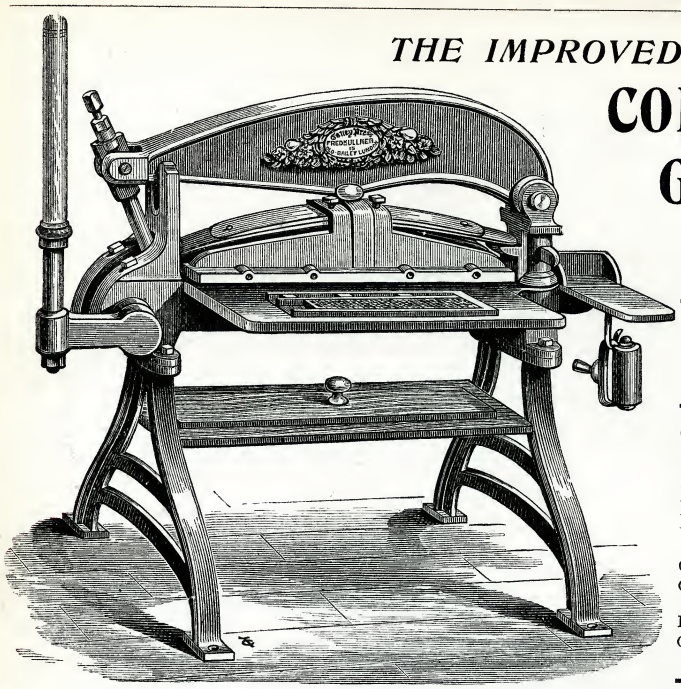
IMPROVED

ROLLER CASTING KETTLE.

This portable article is made of Galvanized Iron and heated by Gas; will hold over 80 lb. of Composition. Can be heated by gas, coal, or oil.

PRICE ... **£2 17 6**

		£	s.	d.
Smaller Size Kettle (different design) to hold about 14 lb.	each	0	9	6
Ditto ditto about 28 lb.	,,	0	12	6



THE IMPROVED

COLUMBIAN GALLEY PRESS.

Fitted with every Improvement.

LARGELY IN USE.

Columbian Galley Press, 30 in. by 6 in. on Iron Stand, with Blanket ... **£12 12s.**

Ditto, 36 in. by 8 in. **£18.**

Galley Lye Brushes ... **2/6**

Galley Roller and Frame, covered **7/6**

Blanket for Galley Press **8/0**

Galley Lye Jar, cast iron and swing handle ... **7/6**

Roller Galley Proof Press.

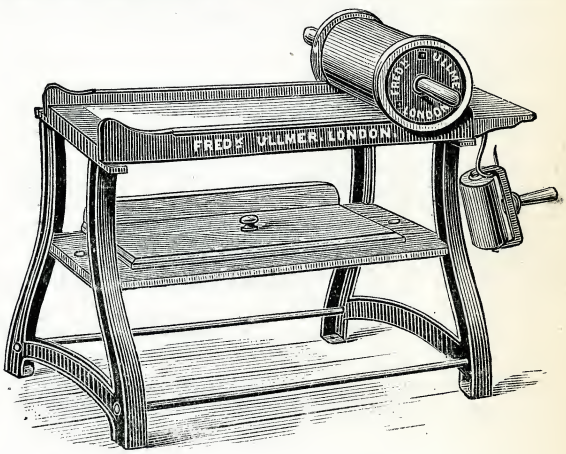
All Iron.

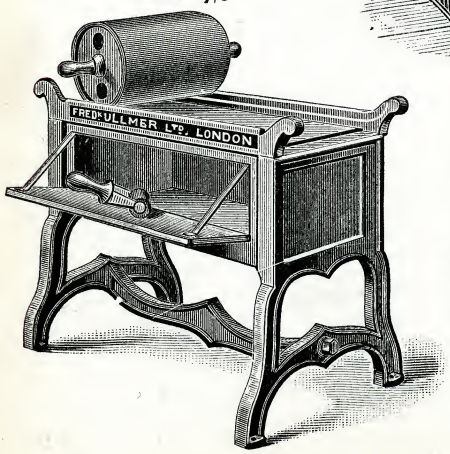
Planed Surface, with Ink Slab and Blanket on Roller.

THESE Proof Presses are very simple; the iron cylinder, with blanket, is run over the forme which is placed on the iron surface, producing a clear and quick proof, with very little trouble or labour.

They are supplied with Ink Slab attached, and with Shelf for Galley Slips, and Paper Weights for same.

Roller Galley Proof Press,
36 in. by 10½ in. ... **£8**
36 in. by 18 in. ... **£12**
Roller Stock and Frame, covered, Extra ... **7/6**





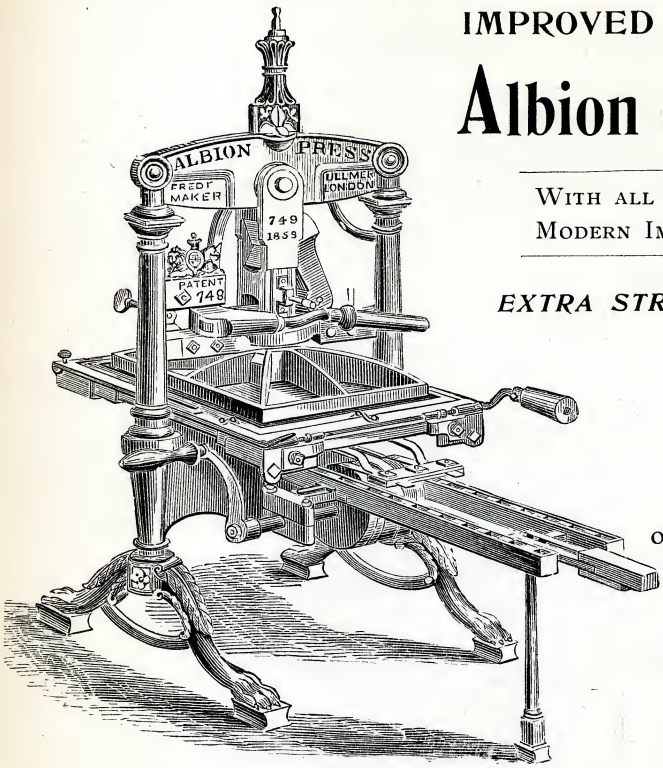
The "Standard" Improved Galley Proof Press.

THIS Press will be found a very handy and useful one. The cylinder is the same measure as the printing surface of the bed so that the cylinder revolves once from stop to stop. It is strong and does not spring, and a true and level impression is guaranteed. The cylinder is covered with a blanket and there is a cabinet underneath for ink slab and roller which can be closed when not in use.

A SMALL ROLLER AND STONE SUPPLIED WITH EACH PRESS.

Price .... £6 10s.

PRESS DEPARTMENT.



IMPROVED

Albion Presses.

WITH ALL THE MOST MODERN IMPROVEMENTS.

EXTRA STRONG STAPLE.

UPWARDS OF

4,000

OF THESE PRESSES ARE IN USE IN LONDON, THE COUNTRY, AND THE COLONIES.

			£	s.	d.
Half-Sheet Post	16 in. by 11 in.	... ...	14	0	0
Demy Folio	18 in. by 12 in.	... ...	18	0	0
Foolscap Broadside	19 in. by 14½ in.	... ...	23	0	0
Crown ,, ...	21 in. by 16 in.	... ...	26	0	0
Demy	24 in. by 18 in.	... ...	35	0	0
Royal	26 in. by 20½ in.	... ...	40	0	0
Super Royal	29 in. by 21 in.	... ...	45	0	0
Double Crown	34 in. by 22½ in.	... ...	50	0	0
Double Demy	36 in. by 23 in.	... ...	55	0	0

Sizes of Platens are given in inches; Presses will print that size Type matter.

THE ALBION AND COLUMBIAN PRESSES

Manufactured by FREDERICK ULLMER, Ltd.,
are fitted in the best possible manner,
steel bolts and the best material being used.

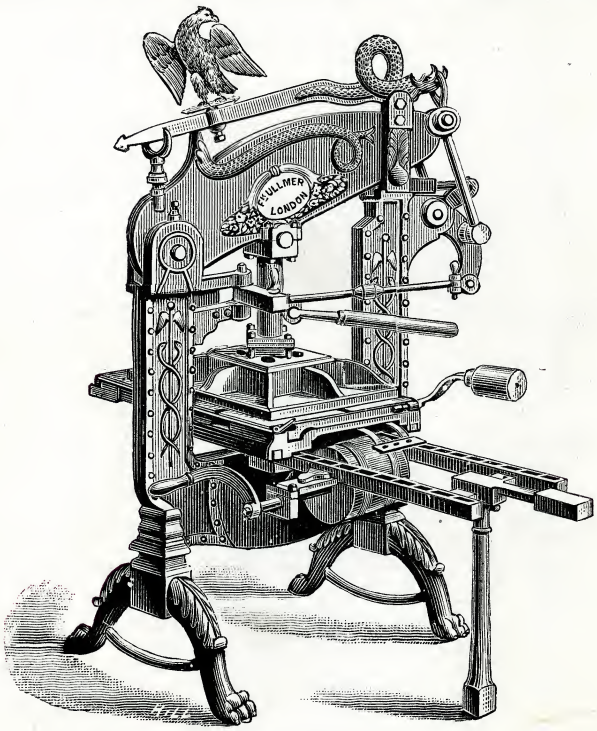
Frederick Ullmer's, Ltd., Albion and Columbian Presses are in use in the United Kingdom, China, Japan, Adelaide, Melbourne, Sydney, The Cape, Jamaica, Demerara, Russia, Holland, New York, Africa, St. Helena, South America, East and West Indies, Spain, Sweden, Portugal, Germany, France, Switzerland, and most of the Colonies.

Improved Columbian Presses.

AT REDUCED PRICES.

WITH ALL THE MOST MODERN IMPROVEMENTS, AND
WITH IMPROVED CONNECTING ROD.

Several Thousands of these Presses are now in use giving General Satisfaction!



PRICES.

		£	s.	d.
Crown...	21 in. by 16 in.	26	0	0
Demy	24 in. by 18 in.	35	0	0
Royal	26 in. by 20¼ in.	40	0	0
Super Royal...	29 in. by 21 in.	45	0	0
Double Crown	34 in. by 22¾ in.	50	0	0
Double Demy	36 in. by 23½ in.	55	0	0
Double Royal	40 in. by 25 in.	65	0	0
Extra Size Double Royal ...	42 in. by 27 in.	75	0	0

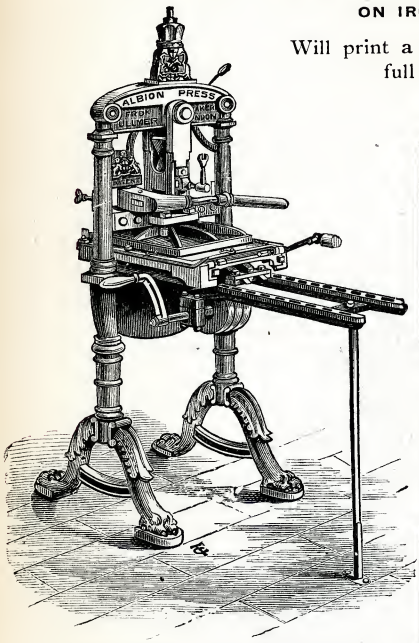
Sizes of Platens are given in inches; Presses will print that size Type matter.

UPWARDS OF **4,000** OF FREDK. ULLMER'S, LTD. ALBION AND COLUMBIAN PRESSES NOW IN USE.

Post Folio Albion Press.

ON IRON LEGS.

IMPROVED ALBION PRESSES.



Will print a DEMY FOLIO Forme by having a Chase made full size of Table. Platen, 16 in. by 11 in.

— PRICE ... *£14.* —

Chases, 5/- each. Iron Ink Table, 25/-.
Blankets, per pair, 4/-. Bank and Horse, 8/6.
Wood Ink Table, if preferred, 8/6.

Specially Suitable for Process Proofs.

Royal Octavo Albion Press.

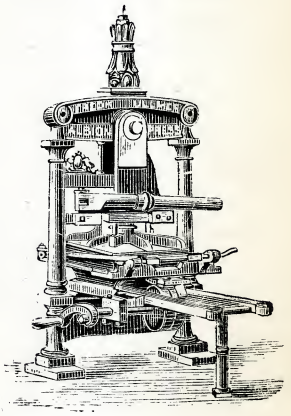
Platen, 10 in. by 7 in.

— PRICE ... *£6 10s.* —

Parchments, per pair, *1/6.*

Blankets, *2/-* each.

Wood Stand for Press, *10/6.*



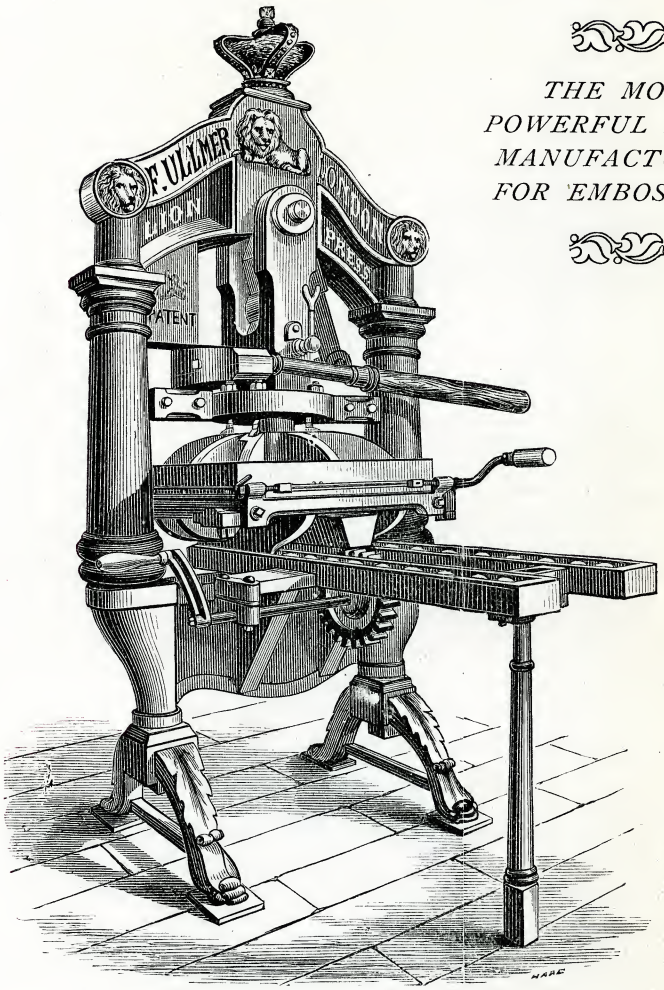
INSTRUCTIONS FOR FIXING FREDK. ULLMER'S, LTD., COLUMBIAN PRESSES.

PUT the feet on the staple in their respective places, as marked, and raise it upon them; then place the bar-handle in, with the bolt belonging to it, as marked; put the principal lever into its place, and then the bolt in, which connects it to the staple; then put the angular or crooked part, which has one square and three round holes, through it, into the mortice, which is in the projecting part of the long side of the staple, and place in the bolt that attaches it to the staple. In the extremity of the edges of the heads of the two before-mentioned bolts, you will observe marks, and corresponding marks over the holes through which they pass; put the bolts in so that the said marks meet together and correspond, and so on, until you have all the remaining parts in their respective places. The four screws for the platen, which have heads on one side, are intended to attach the platen to the piston, which being placed in their respective places, are secured by the four small blocks of iron which accompany them. To increase the power, turn the nut in the rod so as to shorten it, and to decrease it, turn contrary way; by the nut on the iron screw, which connects the main and top counterpoise levers, you are to regulate the ascent and descent of the platen, so as to clear the head-bands of the tympans, which is done by screwing the iron nut up as far as is necessary. In adjusting the platen so as to approach the forme exactly parallel, you must, after hanging on the platen and having a forme on the table, square it to your tympans, then make a pull, and hold the bar-handle home until some other person screws the four platen bolts to an equal tightness. The small holes which communicate with the respective bolts require a small quantity of Machine oil occasionally. The impression may be increased by placing thin pieces of tin, or sheet iron cut to the size of the plate of iron which lies between the platen and the piston, secured by the four screws on the top of the platen, and placing it under the piston; you may easily judge whether everything is in its proper place, by the perfect ease with which the bar-handle moves. Pressmen should take all the bolts out of their places once a week, cleaning and oiling them with **Machine Oil, Manufactured expressly and to be obtained of FREDERICK ULLMER, Ltd., Cross Street, Farringdon Road.**

INSTRUCTIONS FOR FIXING FREDK. ULLMER'S, LTD., ALBION PRESSES.

PUT the feet on the staple, as marked, and raise the staple on them; then place the spring and box on the top of the staple, dropping on the long loop bolt, which is connected with it, into the long hole in the staple; then connect the piston by passing the round bolt through the hole in the staple, and fasten with pin and washer; then put the pull-handle in its place with bolt, tightening it so as to allow the pull-handle to be free; then attach on, with the four screws, the slides or guide-pieces to piston; then place the crooked piece or chill into the piston, also the tumbler or wedge-shaped piece, taking care that the bright or numbered side is towards the pull-handle; then connect the chill with the bolt in pull-handle, screw up the nut or top of the spring-box sufficiently to draw back the pull-handle, so as to keep all parts in their places. The wedge and brass guard in front of piston are intended to regulate the pressure. The other parts of this Press may be fixed in the same manner as the Columbian.

The New "Lion" Press.



THE MOST POWERFUL PRESS MANUFACTURED FOR EMBOSSING.

THESE PRESSES ARE GUARANTEED FOR TWELVE MONTHS.

FIFTEEN OF THESE PRESSES HAVE BEEN SUPPLIED TO ONE FIRM.

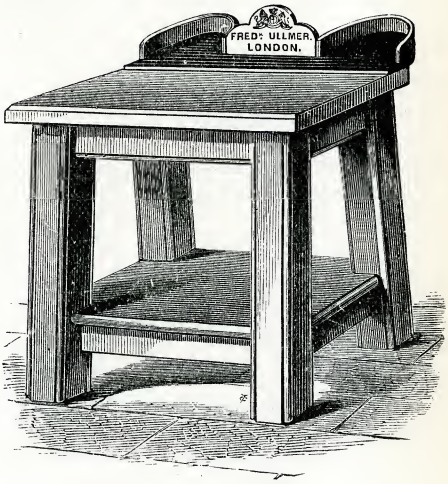
THE above Press has been carefully constructed to meet a want long felt by the Trade, for Embossing, or Banknote Printing, or any class of work which requires great power of impression, with the ordinary labour of the Presses now in use, and sufficiently strong to withstand the heavy strain unavoidable in the above work.

Demy "Lion" Press, Platen, 24 in. by 18 in. ... **£60.**

Other Sizes at Proportionate Prices.

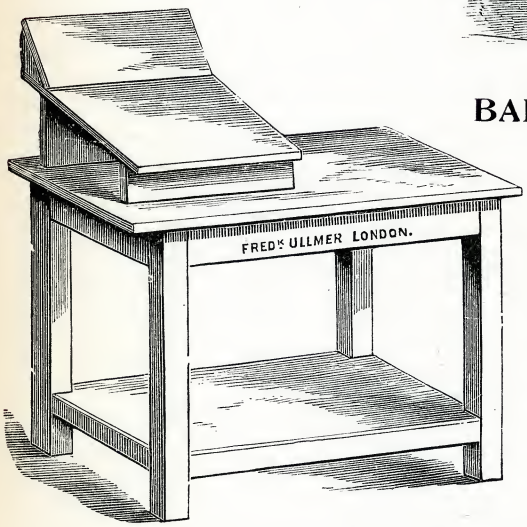
Sundries for the Press Room.

WOOD INK TABLES.



With Polished Mahogany Tops.

Royal Wood Ink Table,	Iron Back	£1	0 0
	Ditto Wood Back	0	18 0
Crown	ditto ditto	0	12 0
Folio	ditto ditto	0	8 6



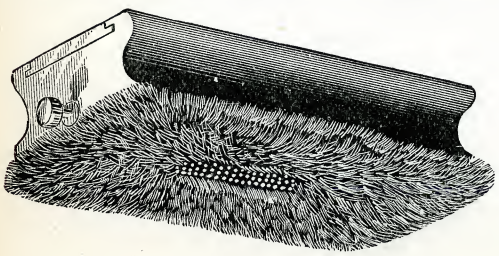
BANKS AND HORSES.

Double Demy	£1 6 0
Double Crown, 54 in. by 22 in.	1 1 0
Demy, 44 in. by 20 in. ...	0 18 0
Crown, 40 in. by 20 in. ...	0 14 0
Folio, 28 in. by 14 in. ...	0 12 0

Drawers fitted extra, from 4/- to 8/-

SELF-FEEDING BRONZER.

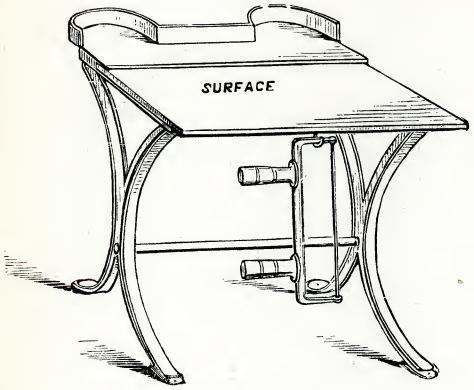
THE most perfect device for bronzing in the market. Receives the bronze in a cavity on top (which is closed tightly with a slide) and delivers it through valves, which are opened or closed by the thumbscrew at end, and which regulate the flow of bronze on to a sieve in the midst of fine beaver fur. No bronze escapes except on the work being bronzed, and a large percentage of the bronze wasted by the old method is saved, as the bronze is fed only as fast as is wanted, and just where wanted on the work, and not over the whole table.



Large Size, $2\frac{1}{2}$ by 6 in. ...	£0 8 6
Small Size, $2\frac{3}{4}$ by $2\frac{3}{4}$ in. for light work ...	0 6 0

Sundries for the Press Room—*continued.*

IRON INK TABLES.



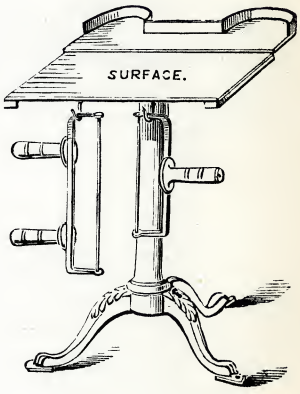
WITH PLANED SURFACES.

	£	s.	d.
Demy Size	2	10	0
Super Royal	2	15	0
Double Crown ...	3	0	0

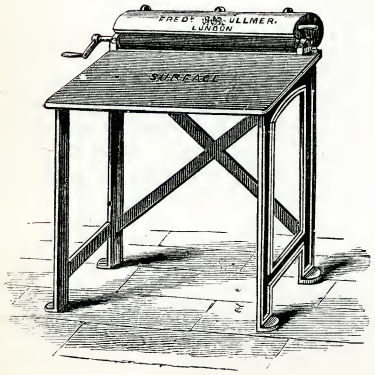
IRON PILLAR INK TABLES.

WITH PLANED SURFACES.

	£	s.	d.
Iron Ink Table for Folio Press ...	1	8	0
Iron Ink Table for Crown Press ...	1	15	0



IRON CYLINDER INK TABLES.



WITH PLANED SURFACE, AND CYLINDER PERFECTLY TRUE.

Iron Cylindrical Inking Table,

Super Royal	7	0	0
Demy	6	0	0
Crown	4	10	0

Sundries for the Press Room—*continued.*

PRESS TYMPAN FRAMES, FRISKETS, AND SPRINGS.

	Per Set Tympans, with Point Screws. £ s. d.	Friskets, each. s. d.	Springs each. s. d.
Foolscap Folio	1 6 0	... 4 6	... 3 0
Post Folio	1 8 0	... 4 9	... 3 6
Foolscap Broadside	1 18 0	... 5 6	... 4 6
Crown Broadside	2 0 0	... 6 0	... 4 6
Demy Broadside	2 4 0	... 7 0	... 5 6
Royal Broadside	2 10 0	... 8 0	... 6 0
Super Royal Broadside	2 16 0	... 8 6	... 6 6
Double Crown Broadside	3 0 0	... 9 6	... 7 0
Double Demy Broadside	3 10 0	... 10 6	... 8 0
Double Royal Broadside	4 0 0	... 12 0	... 9 0

TYMPAN PARCHMENTS.

	s. d.		s. d.
Post Folio, and under ... each	1 3	Royal ... ... each	3 3
Foolscap ... ... ,,	1 9	Super Royal ... ... ,,	4 0
Crown ... ... ,,	2 0	Double Crown ... ... ,,	6 0
Demy ... ... ,,	2 6	Larger Sizes ... ... from	7 0

These Prices vary with the Market.

Best Tympan Cambric ... ... per yard 1/3.

PRESS BLANKETS.

		s. d.
Folio Post	18 in. by 12 in. fine ... ... each	4 0
Foolscap	19 in. by 15 in. ,, ... ,,	5 0
Crown	22½ in. by 17 in. ,, ... ,,	6 6
Demy	25 in. by 19 in. ,, ... ,,	7 6
Royal	27 in. by 22 in. ,, ... ,,	8 6
Super Royal	30 in. by 22 in. ,, ... ,,	9 0
Double Crown	36 in. by 24 in. ,, ... ,,	13 0
Double Demy	38 in. by 25 in. ,, ... ,,	14 0
Double Royal	42 in. by 27 in. ,, ... ,,	15 0

Galley Press, small size, 5/-; large, 8/-, each.

Blankets vary with Prices of Wool in the Markets.

PRESS AND MACHINE POINTS.

	s. d.		s. d.
Octavo Spring Points ... per pair	1 6	Paste Points ... ... per pair	1 0
12mo, or Elbow Points ... ,,	2 0	Point Screws ... ... ,,	2 6

PATENT WEB FOR GIRTHING.

	s. d.		s. d.
Set of Folio Girths	2 6	Set of Double Demy Girths, or larger	5 6
,, Foolscap or Crown Girths ...	3 0	Patent Girthing, 1 in. ... per yard	0 6
,, Demy Girths	3 6	Ditto 1½ in. ... ,,	0 7
,, Super Royal Girths	4 0	Ditto 2 in. ... ,,	0 8
,, Double Crown Girths ...	5 0	Ditto 2½ in. ... ,,	1 0

For Press Roller Stocks and Roller Frames, see pages 49 & 50.

PRINTING INKS—Letterpress.

ONLY THE BEST MAKES SUPPLIED.

Black, poster .. .. 6/-, 8/-, 9/-, 10/-, 12/- per doz. lb.
,, news .. .. 6/-, 8/-, 9/-, 10/-, 12/- ,,
,, jobbing .. .. 12/-, 15/-, 18/- ,,
,, bookwork .. .. 18/-, 24/-, 30/- ,,
,, extra fine .. .. 36/-, 42/-, 48/-, 60/- ,,
,, woodcut .. .. 3/-, 4/-, 5/- per lb.
,, ,, extra fine for engravings and proofs .. .. .. 7/6, 10/- ,,
Coloured, posters. Red, Rose Red, Green—Light, Medium, Dark—Lemon, Yellow, Orange, Deep Orange, Brown, Chocolate, and Ultramarine 18/-, 24/-, 30/-, 36/- per doz. lb.
Coloured, posters. Carnation Red, Scarlet Lake, Geranium, Magenta, Mauve, Violet, Purple, Oriental Blue, Light Blue, Dark Blue, Deep Ultramarine, &c. .. .. 24/-, 30/-, 36/- ,,
Coloured, for fine work. Red, Blue, Brown, Green, Yellow, Orange, Magenta, Mauve, Violet, Pink, Chocolate, Brown, &c. .. .. 4/-, 5/-, 7/6, 10/- per lb.
Permanent Madder Lakes—Rose, Pink, Scarlet, & Crimson 8/-, 10/-, 12/-, 18/-, 20/- 25/- ,,
Finest Carmine and Crimson Lake .. .. 25/-, 30/- 40/- ,,
Tints, every shade, for ordinary work .. .. .. 24/-, 30/-, 36/-, 42/- per doz. lb.
Ditto, ,, fine work .. .. 48/-, 60/-, 72/- ,,

Where quoted at per doz., smaller quantities at proportionate prices.

For Litho Inks see Litho department.
For Copperplate Inks see Copperplate department.

Inks of any colour made to order. ***Inks of any description specially made for Abroad.***

SUNDRY.

Varnish .. .. tint 10/-, thin 10/-, middle 12/-, strong 14/-, extra strong 16/- per gall.
Endorsing Inks .. .. 2/- to 5/- per lb.
Paging Inks .. .. 5/-, 7/6 ,,
Preparation for bronze printing .. .. 3/-, 4/-, 5/- ,,
Ink for bank cheques .. .. 5/-, 7/6, 10/- ,,
Fugitive Inks for cheques .. .. 6/- ,,
Book Cloth Cover Inks, glossy .. .. 4/-, 5/-, 6/-, 8/- ,,
Copyable Printing Inks—Red, Violet, Blue, Rose, Pink, Black .. .. 6/- ,,
Ink Driers, suitable for black or coloured inks .. .. 1/6 ,,
Preparation for increasing brilliancy and rendering free in working, in 3 lb., 7 lb., 14 lb., or 28 lb. tins .. .. 1/- per lb. net

Dry Colours supplied to order.

BRONZE POWDERS.

Pale Gold, Rich Gold, Deep Gold, Old Gold, and Citron 6/6, 9/-, 10/6, 12/6, 15/- per lb. net
Ditto ditto ditto extra quality 18/-, 20/-, 28/- ,,
Crimson, Violet, Orange, Fire Red, Copper, Green, and Silver 9/-, 10/-, 12/6 ,,
Ditto ditto ditto extra quality 18/-, 20/-, 28/- ,,
Patent Brilliant—Green, Violet, and Blue .. .. .. 14/-, 18/-, 20/- ,,

Gold and Silver Bronze in small quantities, 1/- per oz.

GOLD LEAF.

Lemon or Pale Gold .. .. 1/9 per book of 25, 3¼ in., or 50/- per 1000
Orange .. .. 2/- ,, ,, 60/- ,,
Rich Deep .. .. 2/- ,, ,, 60/- ,,

FACTS WORTH KNOWING.

The Standard Composition Roller Manufactory.

One of the Very Oldest Roller-Making Firms in the Trade.
Established Nearly a Century. We Guarantee a Good Roller.
We have Modern Plant and Modern Methods, and the advantages of long experience in Roller Making.



ROLLERS.

Cylinder Machines.		Black Composition. Clothing. Each.	Black Composition. Ex. Each.	Standard Composition. Clothing. Each.	Standard Composition. Ex. Each.
		s. d.	s. d.	s. d.	s. d.
FOOLSCAP AND UNDER.					
Inkers		3 6	2 3	4 6	3 0
Wavers		3 0	1 9	4 0	2 3
CROWN.					
Inkers		3 6	2 6	5 0	3 6
Wavers		3 0	2 0	4 0	2 6
DEMY.					
Inkers	2½ in. dia.	4 6	3 0	5 6	4 6
Wavers	1¾ ,,	3 6	2 6	4 0	3 6
ROYAL.					
Inkers	3 ,,	4 9	3 3	6 6	5 0
Wavers	2 ,,	4 0	2 9	4 6	3 6
DOUBLE CROWN.					
Inkers	3 ,,	5 6	3 6	7 0	5 3
Wavers	2⅛ ,,	4 0	3 0	5 6	4 3
DOUBLE DEMY.					
Inkers	3 ,,	7 6	4 0	8 6	6 0
Wavers	2⅛ ,,	5 0	3 3	6 6	4 6
DOUBLE ROYAL.					
Inkers	3 ,,	8 0	5 0	9 6	7 6
Wavers & Vibrators	2¼ ,,	6 6	4 0	7 6	5 0
QUAD CROWN.					
Inkers	3 ,,	8 6	5 6	11 0	8 6
Wavers & Vibrators	2¼ ,,	7 0	4 6	7 6	6 6
QUAD DEMY.					
Inkers	3 ,,	11 0	7 6	13 6	10 6
Wavers & Vibrators	2¼ ,,	9 0	5 6	10 6	7 6
QUAD ROYAL.					
Inkers	3 ,,	12 6	8 6	15 0	12 0
Wavers & Vibrators	2¼ ,,	10 0	6 6	11 6	9 6

Larger Sizes at Proportionate Prices.

Platen Machines.					
FOOLSCAP FOLIO and smaller, each		1 9	1 6	2 6	1 9
CROWN FOLIO	,,	2 6	2 0	3 0	2 3
DEMY FOLIO (Cropper style)	,,	3 0	2 6	3 6	2 9

Presses.					
6 in. and under		1 6	1 3	2 0	1 6
10 in.		2 0	1 6	2 6	2 0
12 in.		2 3	1 9	2 9	2 3
18 in.		3 6	2 6	4 3	3 0
22 in.		4 9	3 0	5 0	4 0
24 in.		5 0	4 0	5 6	4 6
28 in.		5 6	4 6	6 6	5 0
30 in.		6 0	4 9	7 6	6 0

Price of Roller Stocks see Next Page.

When sending up Rollers to be Covered or Exchanged, Consign as Iron Spindles.

ROLLER COMPOSITION.

Best Ordinary Black...	8d. per lb.
Standard Composition, largely used for high-class work	1/- ,,
Standard Extra, specially made for hot climates, and very hard wear	1/3 ,,

Special Terms for Quantities.

Nothing but the Best Quality of Materials used for making our Rollers and Composition, and we Guarantee a Good Article.

ROLLER STOCKS AND FRAMES.

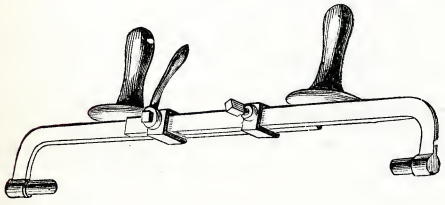
Stocks—bushed ready for use:—

6 in. .. 1/8. 10 in. .. 2/-. 12 in. .. 2/6. 18 in. .. 3/-. 24 in. .. 3/6.
28 in. .. 4/-. 30 in. .. 4/6.

Frames:—

6 in. .. 3/6. 10 in. .. 4/-. 12 in. .. 4/6. 18 in. .. 5/-. 24 in. .. 6/-.
28 in. .. 6/6. 30 in. .. 7/-.

Roller Stocks made to order to fit any machine.



IMPROVED ROLLER FRAMES.

Takes a Roller of any size, from 10 in. to 30 in. in length .. .. 10/6.

SUNDRIES.

	£	s.	d.
Quick Drying Paint for Roller Stocks .. .. per lb.	0	1	0
Best Turps for Cleaning Rollers .. .. per gallon	0	3	6
Roller Casting Kettles .. .. each, from 10/- to	2	17	6
Roller Brackets, small, to take 5 rollers.. .. .. per set	0	4	6
Ditto larger size, to take 10 rollers .. .. .. per pair	0	7	6
Glue, best quality .. .. per cwt.	3	10	0
,, second quality .. .. ,,	3	0	0

Roller Moulds, split or solid, made to any dimension.

A Quantity of Second-hand Moulds for Sale, various sizes.

Carriage Paid one way on all Orders for Rollers or Composition of £2 and upwards.

A FEW HINTS ON USING ROLLERS.

Look Ahead! Try and avoid using Rollers just after they have been cast.

Keep second set ready, so as to be well-seasoned.

Keep Rollers free from dirt, and in a dry place.

To Clean Rollers, sponge them with a little warm water if room dry; if room damp use a little turps only.

Wood Furniture, Reglet, Side Sticks, &c.,

All Joinery Work made by Special Machinery.

MADE OF WELL-SEASONED OAK, AND GUARANTEED PERFECTLY TRUE.

REGLET.

		s.	d.
2-line Great Primer	per doz.	2	0
2-line English	,,	1	4
2-line Pica	,,	1	4
Double Pica	,,	1	2
Great Primer	,,	1	2
English	,,	1	0
Pica	,,	1	0
Small Pica	per doz.	0	11
Long Primer	,,	0	10
Bourgeois	,,	0	10
Brevier	,,	0	9
Minion	,,	0	9
Nonpareil	,,	0	9
Ruby and Pearl	,,	0	9

Special quotations for quantities.

FURNITURE.

		s.	d.
Narrow, 3 ems	per doz.	2	6
Broad, 4 ems	,,	2	9
Special, 5 ems	,,	3	6
Double Narrow, 6 ems	per doz.	3	6
Broad and Narrow, 7 ems	,,	3	9
Double Broad, 8 ems	,,	4	0

Reglet and Furniture above 36 in. long made to order and at special prices.

Reglet and Furniture cut to any length and body.

SIDE AND FOOT STICKS.

		s.	d.
Side Sticks, 1 yard long	per doz.	2	9
Galley Side Sticks, 26 in.	,,	2	0
Side Sticks, 24 in.	,,	2	0
Do. 18 in.	,,	1	6
Do. 16 in.	,,	1	6
Side Sticks, 14 in.	per doz.	1	2
Do. 12 in.	,,	1	0
Do. 10 in.	,,	0	10
Do. 8 and 9 in.	,,	0	10
Do. 7 in. and under	,,	0	9

WOOD RULES.

		s.	d.
Double Wood Rule, Pica body and under	per yard length	0	9
Do. do. do. do.	per dozen	8	0
Treble do. do. do.	per yard length	1	0
Do. do. do. do.	per dozen	10	6
Mourning Rule, do. do.	per yard length	0	6
Do. do. do.	per dozen	5	0

Other sizes at proportionate prices.

Waved Wood Rule .. .. .. from 1/6 per yard length (Pica), to 2/- (5-line Pica).

MALLETS AND PLANERS.

		s.	d.
Mallets, Jobbing	each	1	6
Do. News	,,	2	6
Planers, Jobbing	each	1	0
Do. News	,,	1	6

WOOD STRIPS FOR OPEN CASES.

	Per Doz.	Gross.		Per Doz.	Gross.
Wood Strips for Open Cases	15 in. .. 8d.	7/- ;	36 in. .. 1/2		12/-

QUOINS (Wood).

Jobbing .. per 1,000 8/- News .. per 1,000 10/- Large Book .. per 1,000 10/-

Bags charged, but returnable.

Type Cases.

		s.	d.
Cases, best quality	per pair	6	6
Do. second ,,	,,	6	0
Double Cases	each	4	0
Do. ,, No. 3	,,	4	6
Do. Improved Nos. 1 & 2	,,	6	0
Treble Cases	,,	4	0
Four-Fount Cases	,,	5	6
Six-Fount ,,	,,	7	0
Open Cases	,,	2	6
Do. with slotted sides for adjustment	,,	4	0
Lead Cases	,,	3	0
Improved Upper Cases	,,	4	6
Improved Jobbing Cases	,,	4	6
Border Cases	,,	4	0

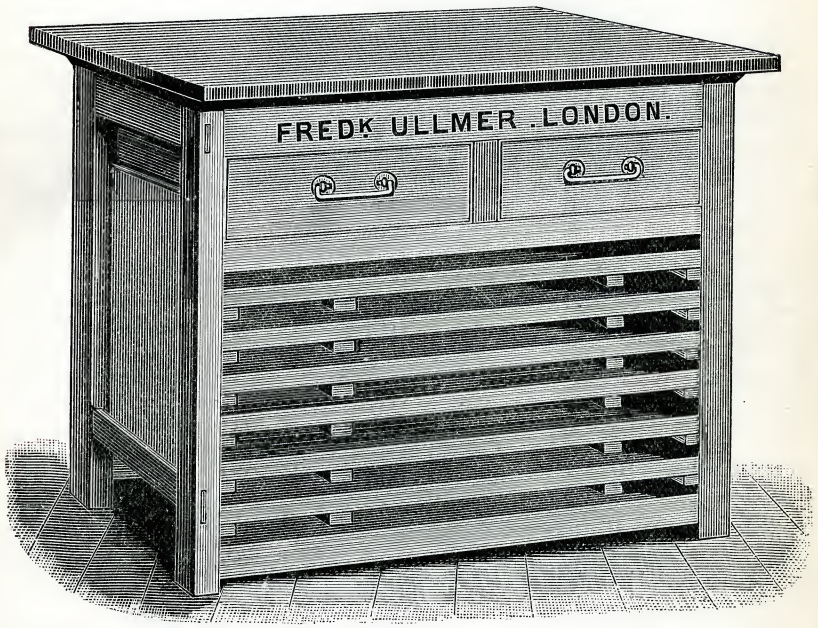
		s.	d.
Greek or Hebrew Cases	per pair	16	0
Fount Cases, large, 42½ in. by 18½ in. by 3 in.	,,	26	0
Fount Cases, small, 32½ in. by 15¼ in. by 2½ in.	,,	15	0
Brass Rule Cases (for illustration see brass rule)	each 4/6 and	8	0
Half Upper Cases	each	3	0
Half Open ,,	,,	1	6
"Standard" Two-Thirds Cases	per pair	5	0
"Standard" Two-Thirds Double Cases	each	3	6
Music Cases	per pair	14	0

If pull handles required on Cases, the price is 6d. each extra.

Iron Imposing Surfaces and Frames.

WITH RACKS AND BOARD RACK UNDER.

All Surfaces are Planed and are of extra strength and thickness, and the Frames are strong and well made of the best white Deal.



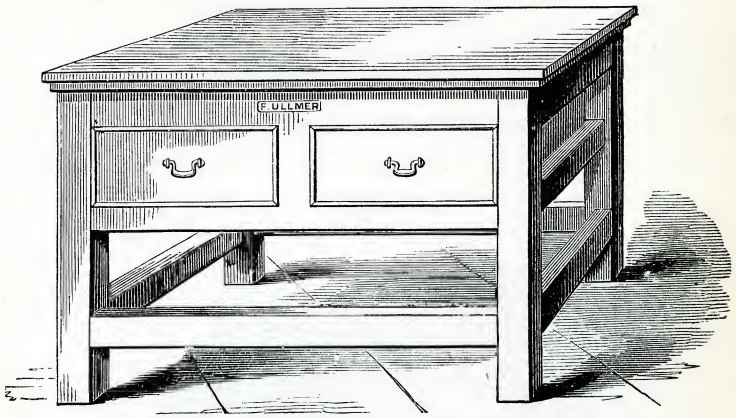
	£	s.	d.
Imposing Surface, 36 in. by 25½ in., on Frame, with 1 Drawer, and Rack under to hold 6 Demy Letter Boards, with 6 Demy Letter Boards to fit	6	10	0
Imposing Surface, 40 in. by 28 in., on Frame, with 1 Drawer, and Rack under to hold 6 Royal Letter Boards, with 6 Royal Letter Boards to fit	7	10	0
Imposing Surface, 48 in. by 36 in., on Frame, with 2 Drawers, and Rack under to hold 6 Double Crown Letter Boards, with 6 Double Crown Letter Boards to fit	12	10	0
Imposing Surface, 48 in. by 36 in., on Frame, with 2 Drawers, and Rack under to hold 6 Double Demy Letter Boards, with 6 Double Demy Letter Boards to fit	13	15	0

Joinery Section—*continued.*

Iron Imposing Surfaces on Strong Wooden Frames.

GROOVED ONE SIDE AND HEAD.

ON STOUT WOOD FRAME, WELL MADE AND BOLTED.

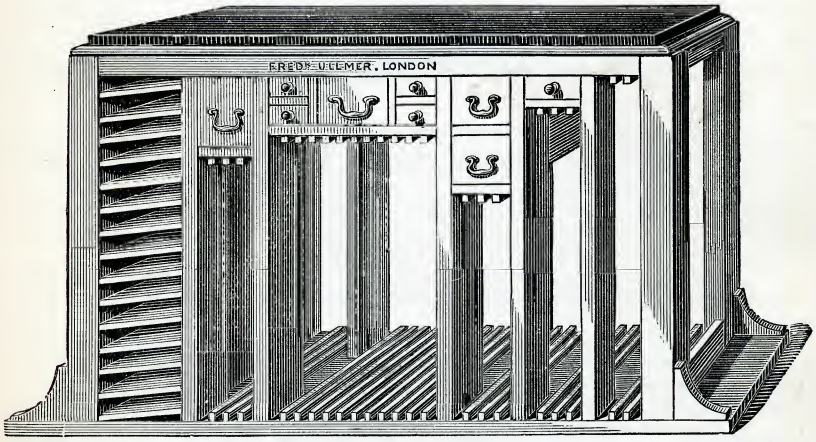


These Surfaces are of the very best Cast Iron, specially thick and well ribbed underneath to prevent warping. They are planed perfectly true and grooved one side and end. The frames are of wood, bolted together and strongly made.

Demy	24 by 18,	on Stout	Frame	with	1	Drawer	..	..	£2	15 0
Royal	30 by 24	,,	,,		1	,,	..	..	3	5 0
Double Crown	36 by 26	,,	,,		1	,,	..	..	4	4 0
Double Demy	40 by 28	,,	,,		2	,,	..	..	4	10 0
Double Royal	56 by 28	,,	,,		2	,,	..	..	6	10 0
News Double Royal ..	48 by 34	,,	,,		2	,,	..	..	7	0 0
Extra Size Double Royal	48 by 36	,,	,,		2	,,	..	..	7	10 0
,, ,, ,,	52 by 36	,,	,,		2	,,	..	..	7	15 0
,, ,, ,,	56 by 36	,,	,,		2	,,	..	..	8	10 0
Treble Royal	72 by 36	,,	,,		3	,,	..	..	10	10 0
Extra Size 4-Royal ..	96 by 36	,,	,,		4	,,	..	..	13	10 0

OTHER SIZES AT PROPORTIONATE PRICES.

Combined Galley and Forme Rack and Imposing Surface.



This useful article for the Composing Room contains: Galley Rack and Forme Rack for Double Demy, Double Crown, Royal, Demy, and Crown Formes, and Nine Drawers for Ornaments, Brass Rules, &c., &c., and the top forming a Bulk for laying up Formes.
The length is 56 in.; width, 28 in.; and height, 36 in.

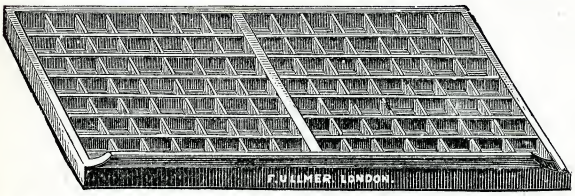
Price, including a Planed Iron Surface, 56 in. by 28 in. £12 0 0
,, without an Iron Surface 7 0 0

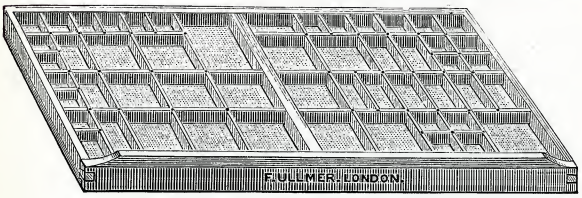
Composing Department.

Joinery Section.

All Cases, Frames, Cabinets, Racks, Reglet, Furniture, &c., supplied by us are made on the premises, and from the Best Material; and by means of the most improved machinery and skilled labour we are able to offer the Best Quality Goods at the Lowest Prices Possible.

TYPE CASES.





Hardwood Cases, best quality, solid whitewood bottoms.

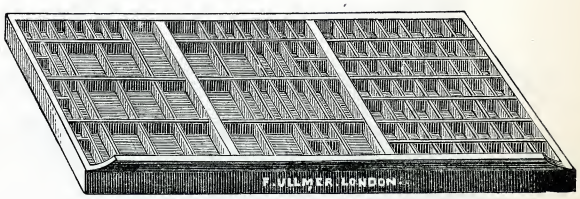
Per pair .. **6/6**

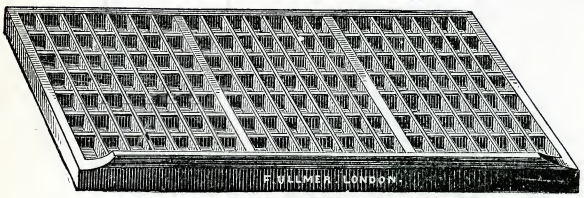
Second quality per pair **6/-**

DOUBLE CASE.

Containing Upper and Lower Case, solid whitewood bottom, best quality .. each **4/6**

Second quality .. ,, **4/-**





TREBLE CASE.

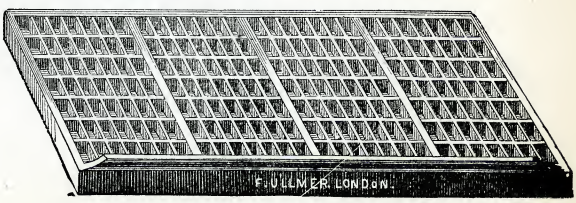
To contain three founts of Capitals, best quality, solid whitewood bottoms .. each **4/6**

Second quality .. ,, **4/-**

FOUR-FOUNT CASE.

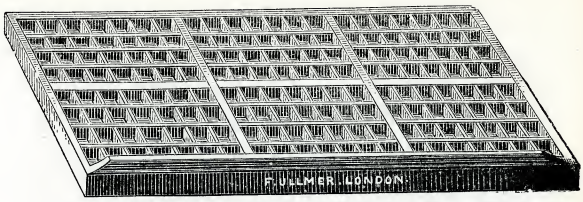
Solid bottom, best quality.

Each **5/6**

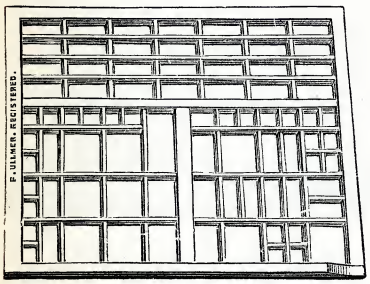


SIX-FOUNT CASE.

Best quality.
Each 7/-



REGISTERED HALF DOUBLE CASE.



Containing Upper and Lower in one.
PRICE .. .. each 4/-

LEADER BOXES.

With space for En, Em, and 2 and 3 em leaders.

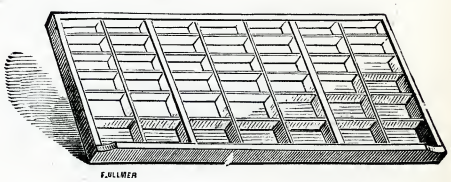


Price, each .. 1/- Per doz. .. 10/-

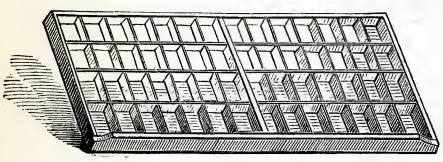
IMPROVED JOBBING CASES.

Improved Jobbing Cases, very useful for Jobbing Type .. .. each 4/6

These Cases are made extra strong, for holding founts of heavy weights, and also suitable for Borders, &c., &c.



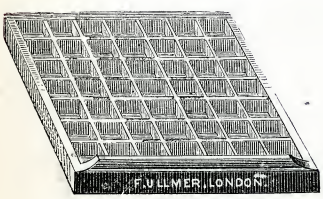
IMPROVED UPPER CASES.

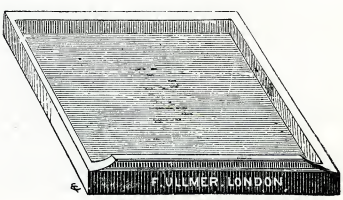


Improved Upper Case, best .. each 4/6

These Cases are very useful for Jobbing Type, the boxes being much larger than those of the ordinary upper case, and are made very strong to hold founts of heavy weights.

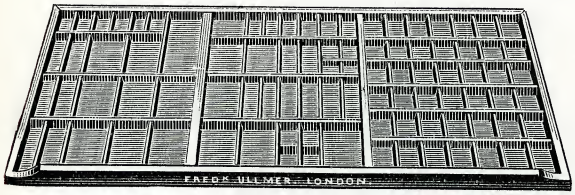
HALF CASES.





Half Upper Cases, or Half Lower Cases .. .. each, 3/-
Half Open Cases .. .. each, 1/6

IMPROVED DOUBLE CASE, No. 3.



This Case is a great improvement upon the ordinary Double Case, the Upper Case having only six rows of boxes in depth, instead of seven, thus removing one row of boxes, and allowing consequently larger divisions for the Upper Case. They will be found most useful for containing large Scripts, Italics, Clarendons, &c., &c.

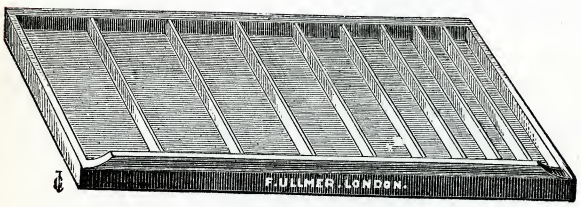
PRICE **4/6**

OPEN CASES.

For Jobbing Type or Wood Letter.

Open Cases .. each **2/6**
Strips for ditto per doz. **8d.**



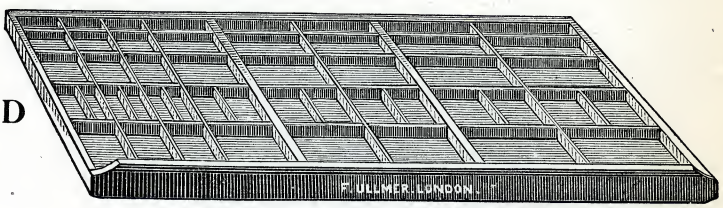


LEAD CASES.

Lead Cases, of extra strength .. each **3/-**

Wood Strips for same, **8d.** per dozen.

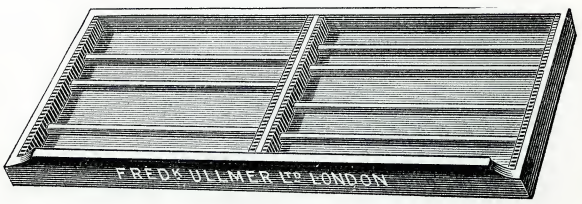
NEW IMPROVED SPACE CASE.



PRICE .. .. .. **4/6** each.

The above Space Case is very valuable in Jobbing Offices. The boxes are all made to contain hair, thin, middle and thick spaces, em, en, and large quads of eight different bodies. The Case being placed upon a frame, the compositor will find it very convenient in having spaces and quads for fancy and jobbing type bodies in one case.

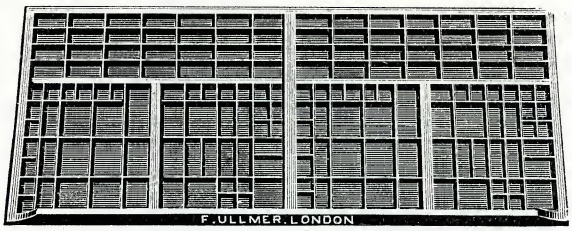
IMPROVED OPEN CASES.



With slotted sides and centre bar to adjust strips .. .. .. **4/6** each.

Strips for same **8d.** per dozen.

NEW REGISTERED DOUBLE CASE, No. 1.

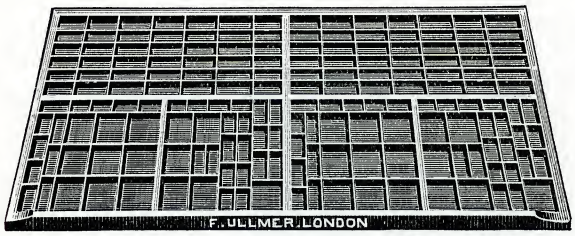


Price - - 6/- each.

The REGISTERED DOUBLE CASE is constructed and arranged to take complete founts of upper and lower in one Case, such as Blacks, Sanseriffs, Latins, Ornamentals, Ancients, &c., &c., keeping the two founts of caps and two founts of lower case quite distinct and separate from each other. In small Jobbing Offices they will be found invaluable.

Upwards of One Thousand of these Cases have been sold.

IMPROVED DOUBLE CASE, No. 2.



Price - - 6/- each.

This Case is very similar to the Registered Double Case, No. 1, with the exception of there being two extra rows of boxes in the Upper Case.

IMPROVED FOUR-FOUNT CASE, No. 4.



Price - - 5/6 each.

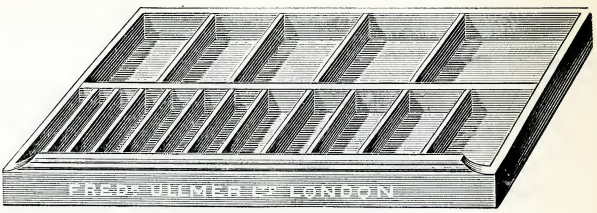
This Case will contain four complete founts of Ornamentals, Titlings, Latins, &c., while the boxes are as large as those of a Treble or Three-Fount Case. They will be found far superior to the ordinary Treble Case in economy of room, the Case being divided into four equal compartments, and the seventh row of boxes in each compartment being omitted.

All these Cases are made the SAME LENGTH, BREADTH, *and* SIZE *as the* ORDINARY CASES, *and will therefore fit the usual Racks or Frames.*

Metal Furniture Cases.

PRICE .. 14/-

Arranged to take Metal Furniture 5, 6, 8, 10, 12, 15, 20, 25, 30, 36, 40, 45, and 50 ems.





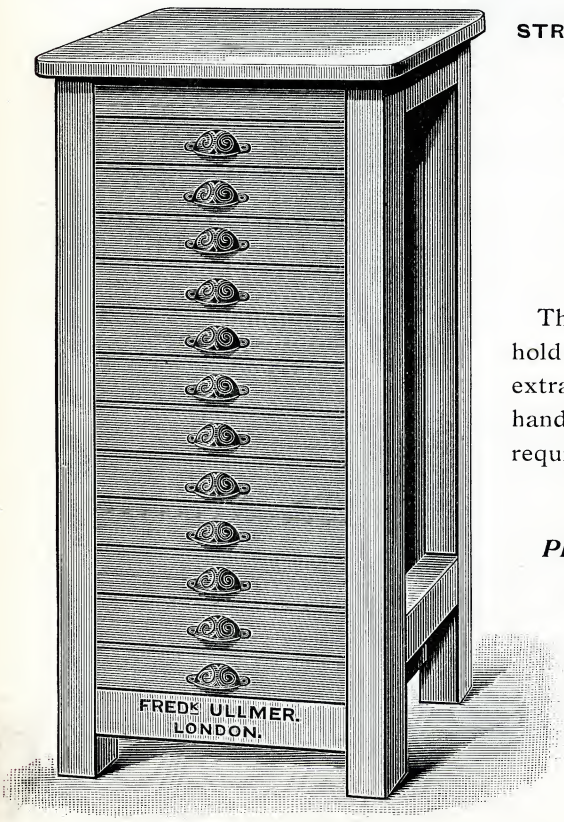
Cabinet for Brass Type.

Made of Well-Seasoned Wood.
Varnished. Well Finished.

Cabinet with 6 Cases	£1 14 0
Cabinet with 10 Cases	2 10 0
Cabinet with 15 Cases	3 5 0

Can be made with open cases for Electros if desired.

Cabinet for Book Founts or Sorts.



STRONGLY MADE.

DRAWERS ARE CLOSE FITTED AND . . . DUST PROOF.

This Cabinet has deep cases to hold a fount of type, figures, or extra sorts of book founts. Very handy where large founts are in requisition.

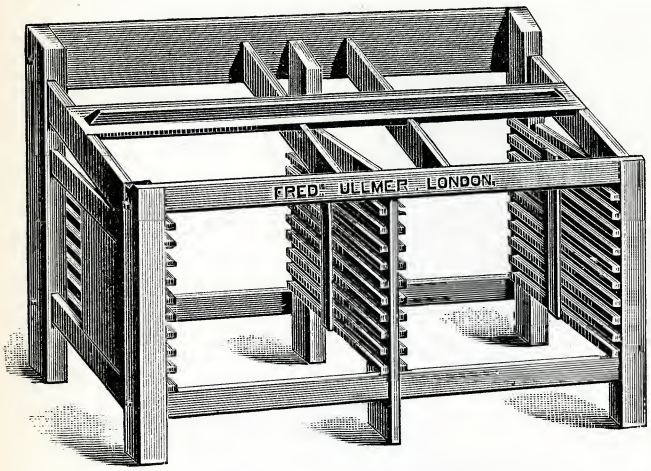
PRICES.

Large Size, 12 drawers, 3 in. deep
£2 12 6

Small Size, 8 drawers, 3 in. deep
£1 18 6

Zinc on top (if required), 5/- extra.

DOUBLE FRAME WITH RACKS.



Double Frame, with Two Racks, and Rack room for 20 Cases,
Price, **25/-** each.

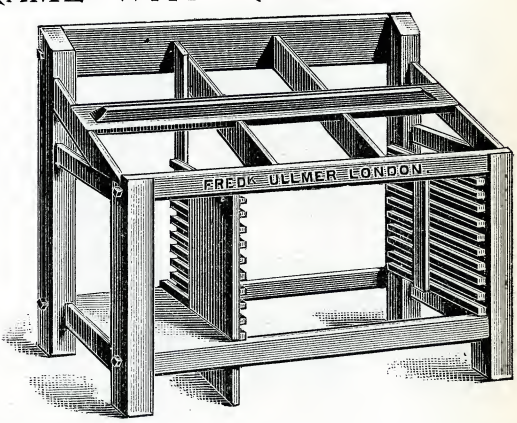
Strong and well finished

THESE FRAMES HOLD TWO PAIRS OF CASES ON THE TOP.

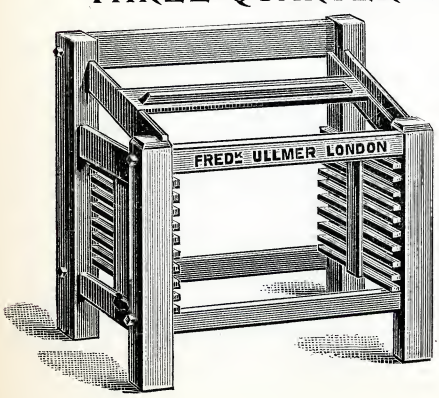
Fitted together with Iron Bolts.

WHOLE FRAME WITH RACK.

Half Frame without Rack	£0	10	0
Whole Frame without Rack	0	14	0
Whole Frame with Rack	0	16	0
Whole Frame with Rack, fitted together with iron bolts	1	0	0
Whole Frame with Rack, made full length to take 9 trays for wood letter	1	0	0
Wood Letter Trays for same, 47 in. long each	0	5	0



THREE-QUARTER FRAME WITH RACK.



Three-Quarter Frame, with Rack for Ten Cases,

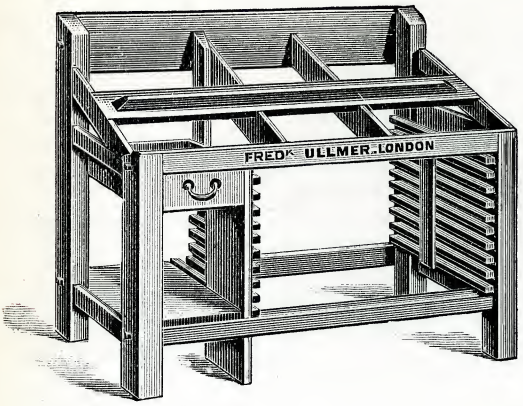
Price, **14/-** each.

FRAMES MADE TO ANY SIZE.

All Frames made from well-seasoned wood, and are strong and well finished.

See also Dust-Proof Frames.

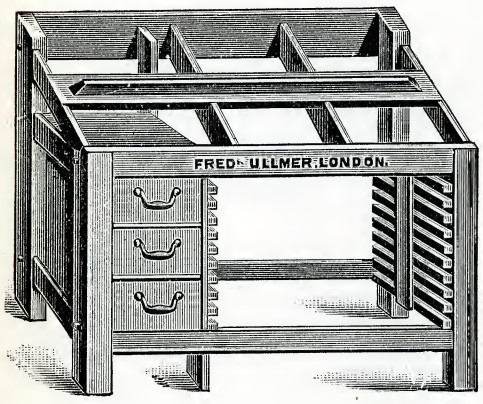
WHOLE FRAME WITH RACK & DRAWER.



Whole Frame with
Rack and Drawer £1 5 0

These Frames are fitted together with Iron Bolts.

WHOLE FRAME WITH RACK & DRAWERS.



Whole Frame with
Rack and 3 Drawers £1 12 0

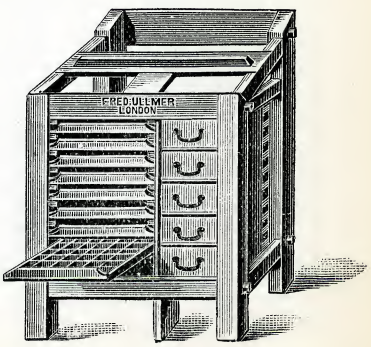
Whole Frame with
Rack and 4 Drawers £1 15 0

Fitted together with Iron Bolts.

HALF FRAME WITH RACK & DRAWERS.

Half Frame with Rack and
9 Half Upper Cases and
5 Drawers £2 15 0

These are fitted together with Iron Bolts

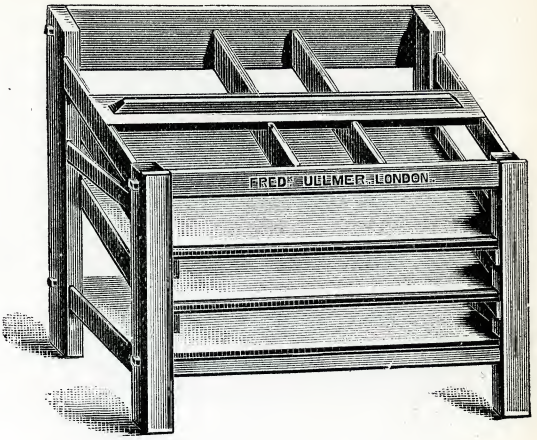


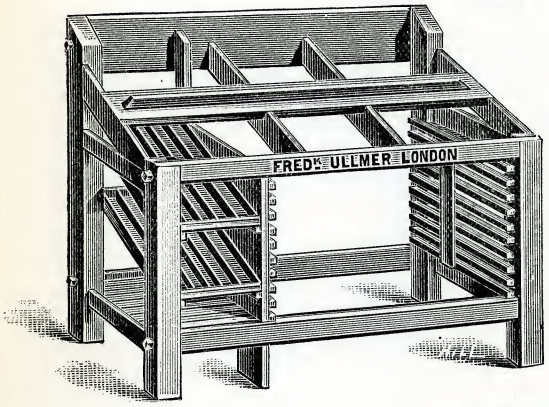
FRAME WITH RANDOM GALLEYS.

Frame, with 2 Random Galleys, as drawing .. £1 4 0

Frame, with 1 Random Galley, and a bottom board 1 0 0

Making-up Frame, similar to the above, but with board on top for Standing Advertisements, &c., &c. .. 1 10 0





FRAME WITH RACK AND SIDE HANGING GALLEYS.

Whole Frame, with Rack and 2 Side hanging Galleys and 12 Slips £1 5 0

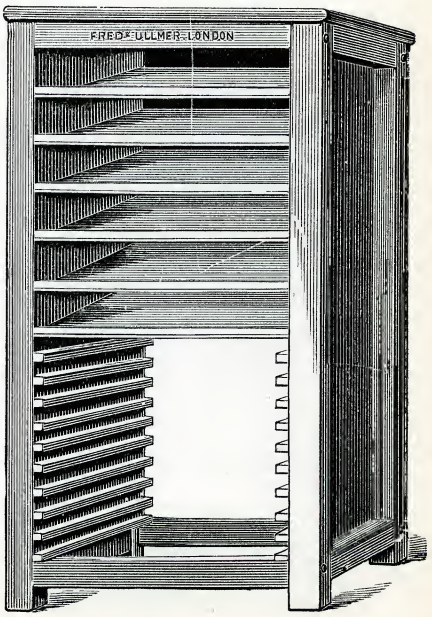
The above are useful for Jobbing Type, Leads, Borders, Ornaments, &c.

RACK FOR CASES AND HANGING GALLEYS.

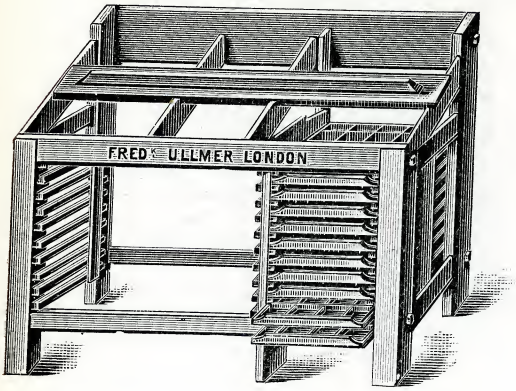
Improved Pillar Rack, for 10 Cases and 6 Hanging Galleys, for Wood Letter .. .. .. price £1 18 0

This is a very useful article for the Jobbing Room. The Hanging Galleys can be arranged for any part of the Rack, if ordered.

The Rack is made very strong.



Whole Frame with Rack and Half Cases.



Whole Frame with Rack, fitted with 9 Half Upper Cases - £2 10s.

These Frames will be found most useful in any office for holding 2-line letters, fancy founts, &c., &c.

Whole Frame with Rack, and fitted with 9 Registered Half Double Cases, for Founts of Upper and Lower in one case - - - £3

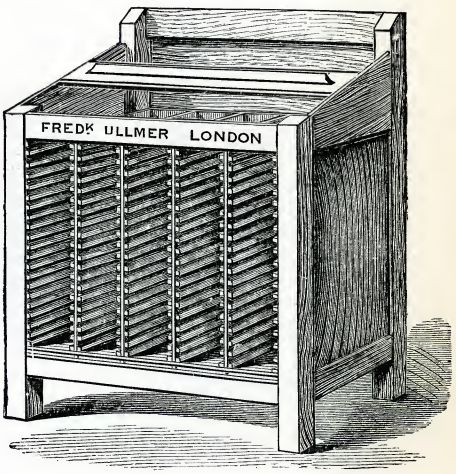
Whole Frame with Rack and Sliding Trays instead of Cases, for 4, 5, 6, & 8-line - - - - £2

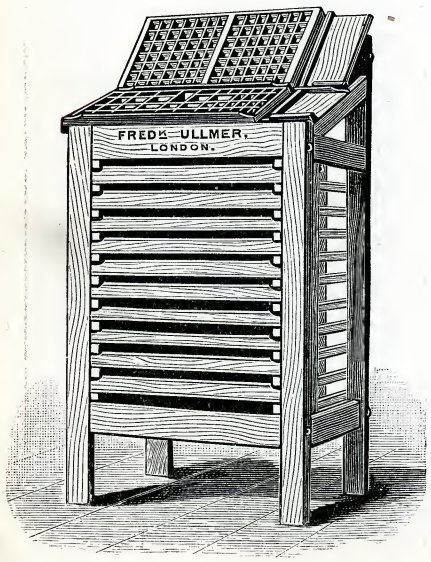
This is a useful article where there is not convenience for Hanging Galleys; the Sliding Trays are intended for holding Jobbing Types, and are made strong accordingly.

Three-quarter Frame with Runners for Galleys.

Frame, fitted with 5 divisions and runners for 60 Galleys - - £2 10s.

Very Useful in Newspaper Offices.





The "Standard" Two-Thirds Frame.

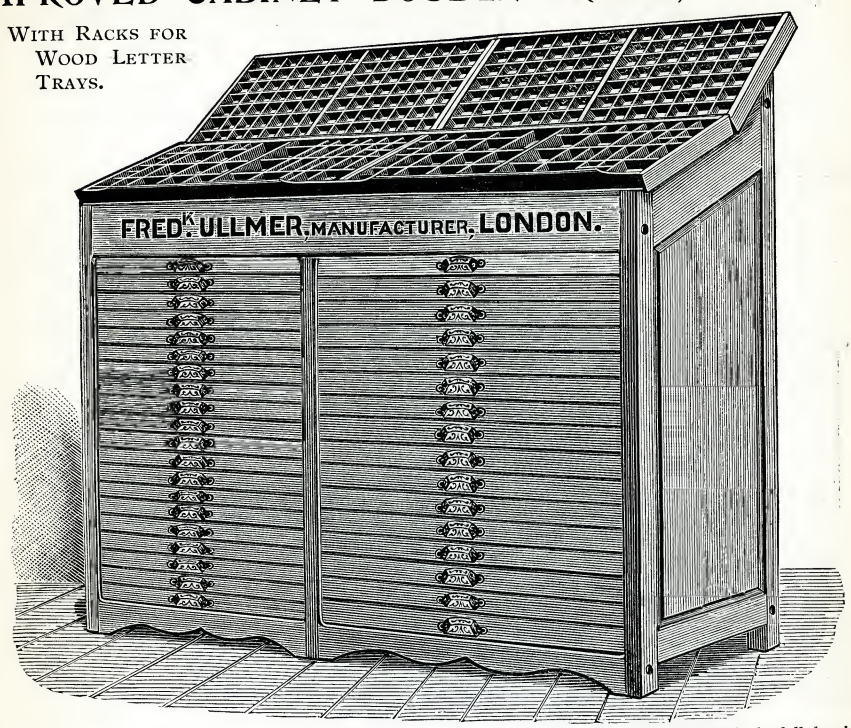
This frame is useful for Small Founts where space is an object, it being only 26 inches wide.

STRONG AND WELL MADE.

Complete with 5 Pairs of Small Size Cases and 2 Galleys - £2

IMPROVED CABINET DOUBLE FRAME,

With Racks for Wood Letter Trays.



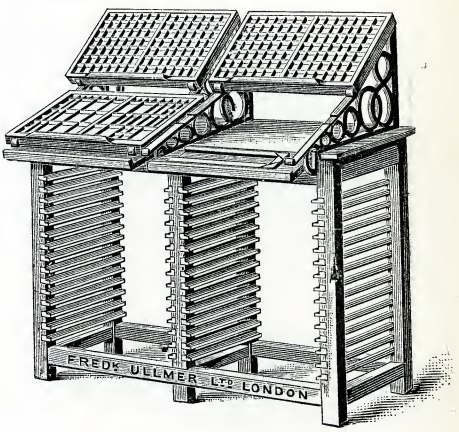
The Frame is of well-made finish, and is closed in at the top, back, and sides. The Cases are made the full depth of the frame, 32¾ by 21; and have square-ended fronts and superior japanned handles. The whole makes a useful and ornamental addition to the jobbing office, and will hold about 60 founts of Wood Letter, clean and free from dust.

Frame, with Racks to hold 32 Wood Letter Trays £2 0 0
Trays for above ... ... each 0 4 0

The "Standard" Frame.

	£	s.	d.
Single Frame, to hold 15 cases, and brackets on top for 1 pair	1	5	6
Double Frame, to hold 30 cases, and brackets on top for 2 pairs	2	2	6
Quadruple Frame, to hold 60 cases, and brackets on top for 4 pairs	3	12	6

THESE FRAMES ARE BEAUTIFULLY MADE AND ARE WORTH CONSIDERATION WHERE SPACE IS LIMITED.



Window Cabinets,

WITH BRACKETS ON TOP, REVERSE WAY.
Made to Order.

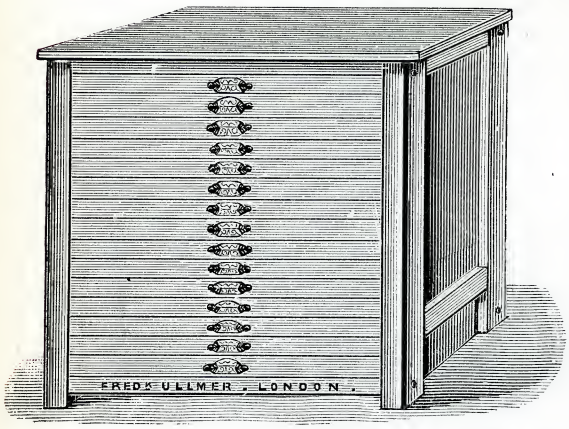
Every description of Cabinets, &c., made to order.
First-class Workmanship guaranteed.

"Standard" Dust-proof Cabinet,

WITH OPEN TRAYS FOR WOOD LETTER, ORNAMENTS, &c. - - - - -

STAINED AND VARNISHED.

These Cabinets are of great advantage in any office for keeping Wood Letter clean and compact, and the top forms a bulk for laying up standing matter, &c.

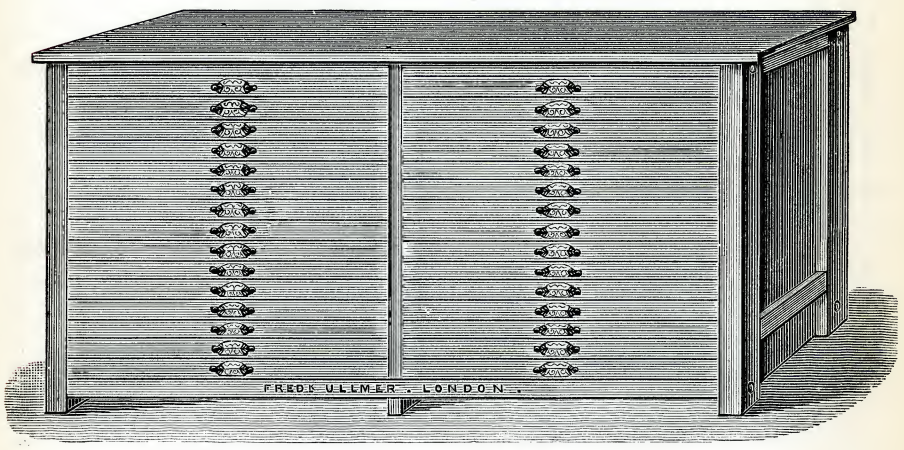


COMPACT, FIRM, AND USEFUL.

THESE CABINETS ARE STRONGLY MADE OF THE BEST WHITE DEAL, AND FITTED TOGETHER WITH IRON BOLTS.

Single "Standard" Cabinet, to hold 15 trays same size as ordinary cases, 3 ft. high £2 10 0

Iron Case Brackets can be fitted on above at 6/6 per pair extra.

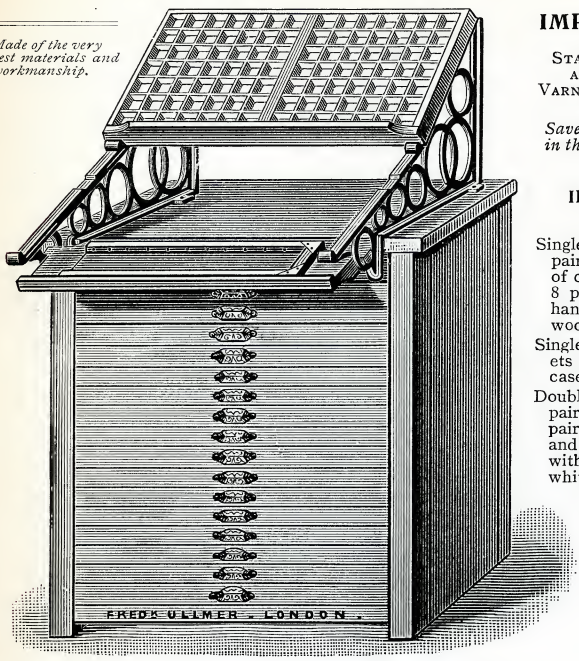


Double "Standard" Cabinet, to hold 30 trays same size as ordinary cases, 3 ft. high £4 5 0

Iron Brackets for cases can be fitted on top at 6/6 per pair extra.

For Brass Type Cabinet, see page 58.

Made of the very best materials and workmanship.



IMPROVED

STAINED AND VARNISHED.

DUST-PROOF CABINETS

Save room, and ordinary Cases can be used in them. Space occupied, 3 ft. 1 in. by 16 in.

WITH FLAT TOPS, IRON BRACKETS FOR CASES, and SLIDING GALLEY REST.

Single Cabinet with brackets on top for pair of cases, and racks for 8 pairs of cases, and sliding galley rest and 8 pairs of cases. flush fronts, with handles, and solid American white-wood bottoms **£4 3 0**

Single Cabinet alone, with pair of brackets at top, and racks for 8 pairs of cases, and sliding galley rest ... **£1 10 0**

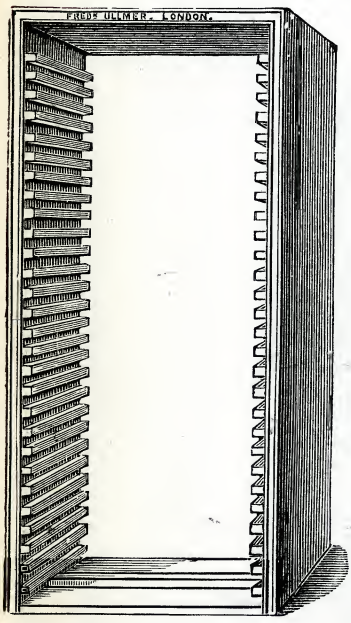
Double Cabinet with brackets for 2 pairs of cases at top, racks for 16 pairs of cases, and sliding galley rest, and 16 pairs of cases, flush fronts, with handles, and solid American white-wood bottoms **£8 4 6**

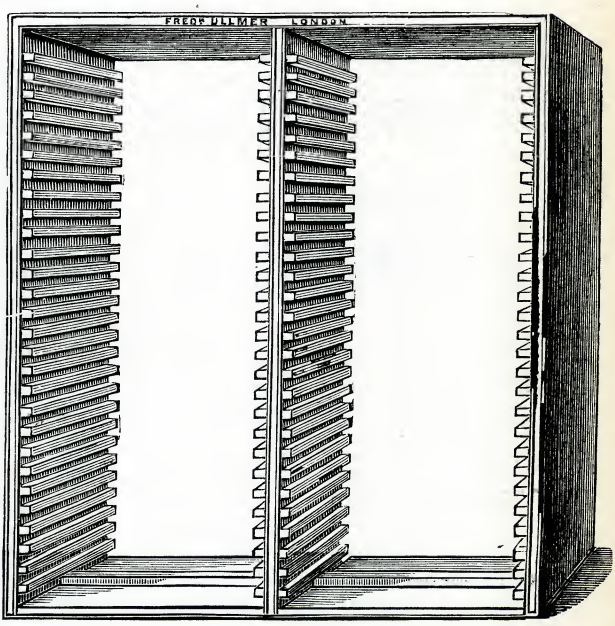
Double Cabinets alone, with 2 pairs of brackets on top, racks for 16 pairs of cases, and sliding galley rest ... **£3 0 0**

Tops can be covered with Zinc if required at extra charge.

Cases do NOT overhang at back.
Very compact.

SINGLE AND DOUBLE CASE RACKS.

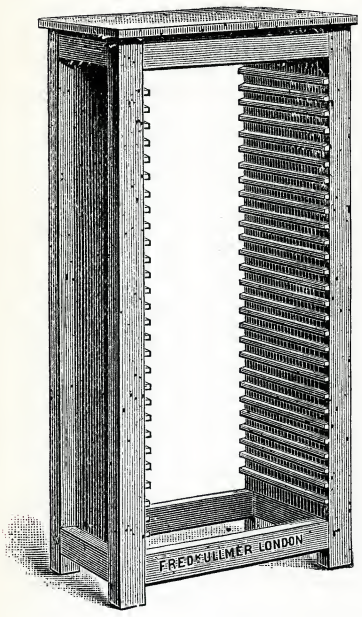




Single Case Rack, to contain 28 Cases **£1 0 0**

Double Case Rack, to contain 56 Cases, as illustration above **1 18 0**

For stronger made Rack see page 66

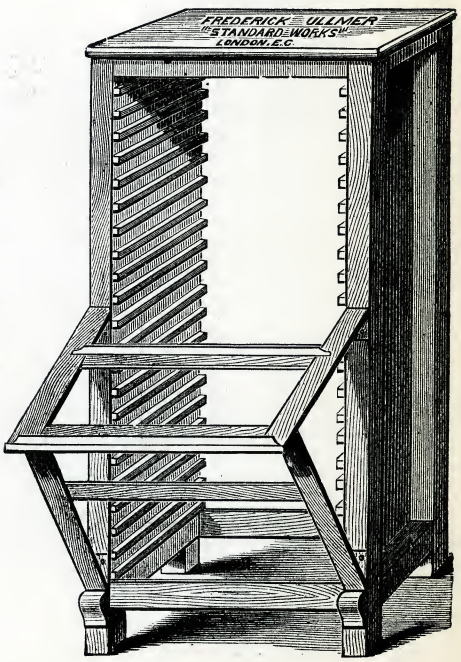


Single Case Rack.

STRONG AND WELL MADE WITH CENTRE SUPPORT.

Single Case Rack, to hold		10	Cases	£0 16 0
Ditto	,,	12	,,	0 18 0
Ditto	,,	15	,,	1 1 0
Ditto	,,	24	,,	1 2 6
Ditto	,,	28	,,	1 4 0
Double Case	,,	56	,,	2 7 0

Improved Pillar Case Rack.



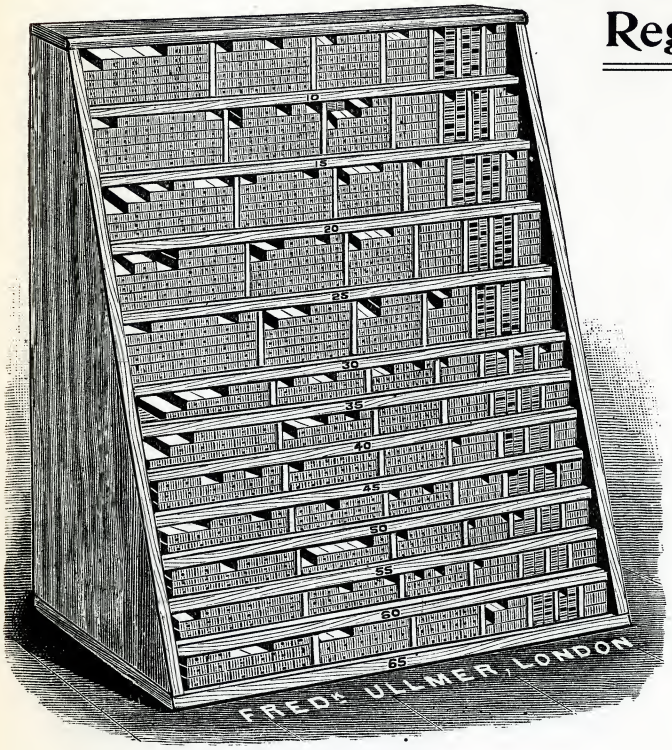
Improved Pillar Case Rack for 28 Cases, with folding frame to hold one pair of Cases, strong and well made.

PRICE - - **£1 14s.**

Improved Pillar Case Rack without folding frame.

PRICE - - **£1 10s.**

The "Standard" Furniture and Reglet Rack.



This useful article is most unique and time-saving; all the pieces are stamped in plain figures denoting the size in ems.

The Rack, completely fitted, contains in all 195 dozen pieces, viz., 2 dozen side-sticks, 6 dozen nonpareil and 3 dozen pica, narrow, broad, double narrow, and double broad, of each of the following sizes: 10, 15, 20, 25, and 30 ems; and half those quantities of 35, 40, 45, 50, 55, 60, and 65 ems.

Size of the Rack: 31 in. high, 42 in. by 12 in. at the base.

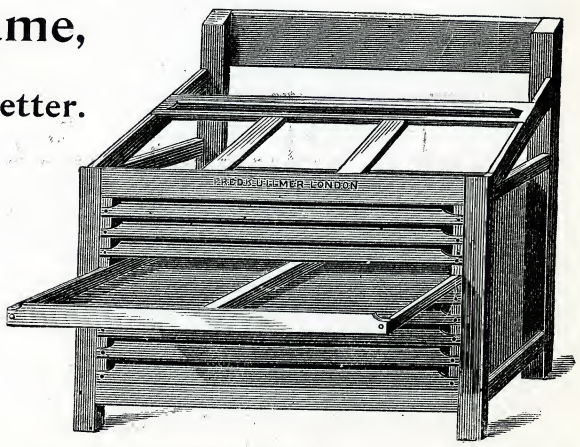
Either Oak or Birch Reglets can be supplied

Price for the Rack filled as above	**£7 10 0**
Price for the Rack half filled	**5 0 0**
Price for the Rack only	**2 10 0**

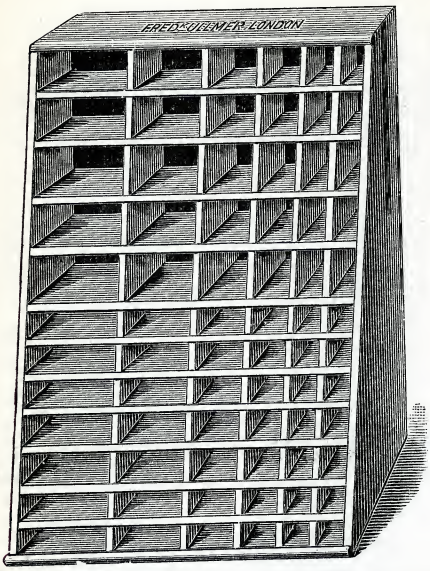
Can be made with folding door on hinges if required, at extra cost, to keep dust proof.

Whole Frame, with Racks for Wood Letter.

FITTED WITH IRON SCREWS.



Whole Frame, with Racks for open cases, suitable for wood letter	**£1 0 0**
Open Cases, full length of Frame, extra strong	each **0 5 6**



Furniture and Reglet Rack.

This Rack is made to hold 3½ dozen full lengths of each of the following sizes of Furniture: 2-line Pica, Narrow, Broad, Double Narrow, and Double Broad, cut as follows: 3 dozen pieces of each size, 10, 15, 20, 25, and 30 ems; 1½ dozen pieces of each size: 35, 40, 45, 50, 55, 60, and 65 ems; also 1 dozen each Side-Sticks from 10 to 65 ems, advancing by 5 ems.

Size of the Rack, 42 by 30 inches.

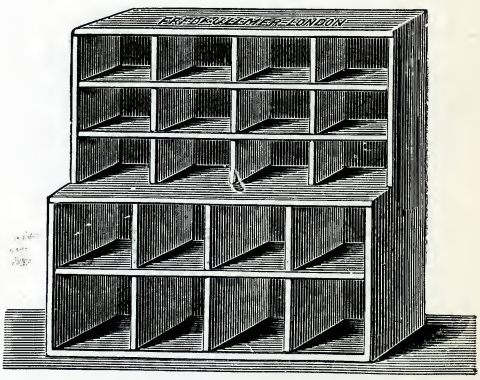
Price - - £2 2s.

French Metal Furniture Rack.

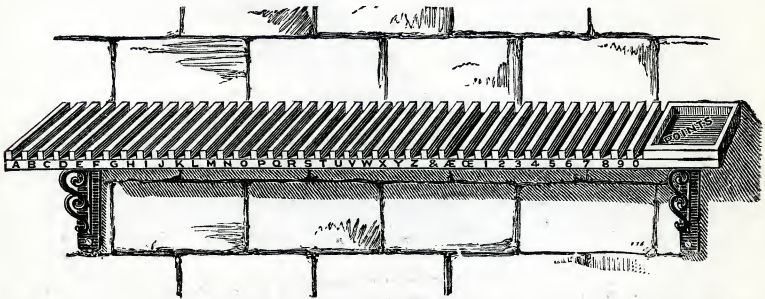
FOR QUANTITIES.

Metal Furniture Rack, to hold assorted sizes. The dimensions of the Rack at bottom are as follows: 2 feet square by 11 inches deep; top, 2 feet square by 5½ inches deep.

Price - - £1 5s.



Wood Letter Rack.



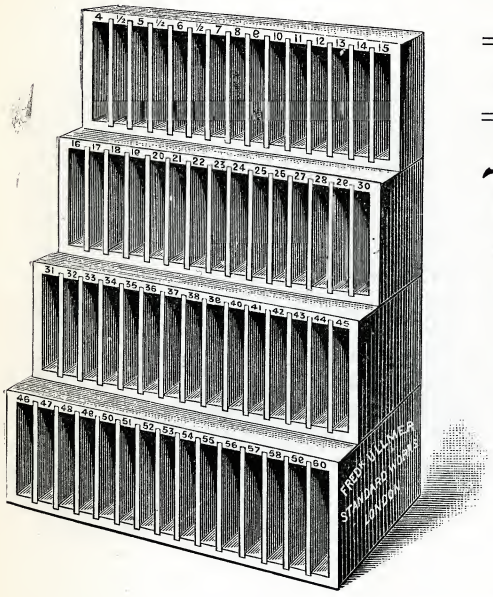
These Shelves are very advantageous for holding Wood Letter, prevent warping, and take up little space on wall or partition.

5 feet 6 inches long by 6 inches wide, including two Iron Brackets,

Price - - 11/-

Wider Shelves, advancing 1/- per inch, up to 13 inches.

The "Tier" Lead Rack.



4 Tiers Complete, £1 3s.

THIS Rack is made in Four separate sections and each section is removable and contains 15 divisions marked on illustration.

THE DIVISIONS ARE 6in. HIGH.

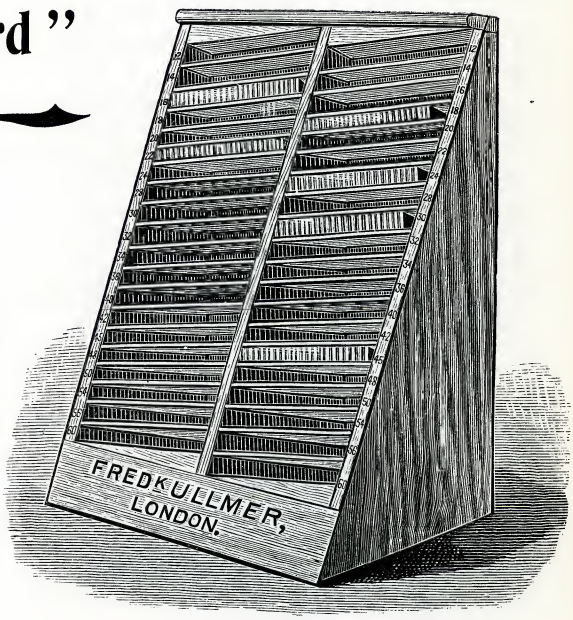
SIZE OF RACK COMPLETE, 19 in. long × 10½ in. back to front × 28 in. high.

The "Standard" Lead Rack.

PRICE 30/-

The enquiry, "Have you any good racks for leads?" is now satisfactorily answered in the compact and yet commodious article shown herewith. It stands 28 inches high, is 18 inches across, and the depth (front to back) ranges from 11 inches at the bottom to within 2 inches at the top.

It consists of two tiers of 20 shelves each, which slope in two directions, to the back and to the left, so that the leads are kept in proper position; and will hold 20 sizes each of 4-to-pica and 8-to-pica leads, ranging from 10 ems to 60 ems long—will hold a total weight of 350 lb.

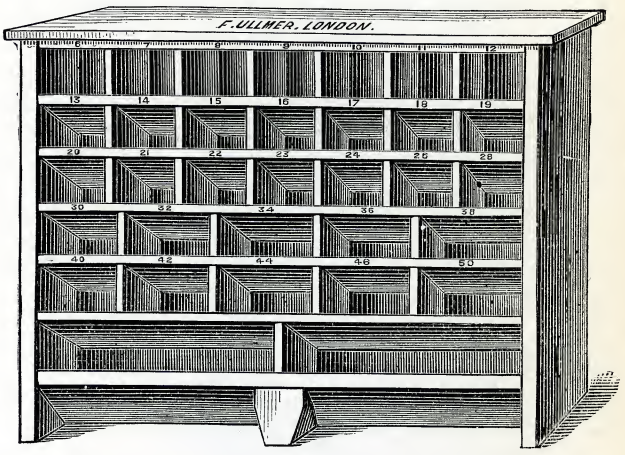


The above Rack made to take a double quantity of 16 ems, 18 ems, 20 ems, 22 ems, and 24 ems, 36in. high by 18in. wide ... ... **PRICE, 34/-**

"Standard" Lead Rack.

No Printing Office is complete without a "Standard" Lead Rack.

FOR LARGE QUANTITIES.



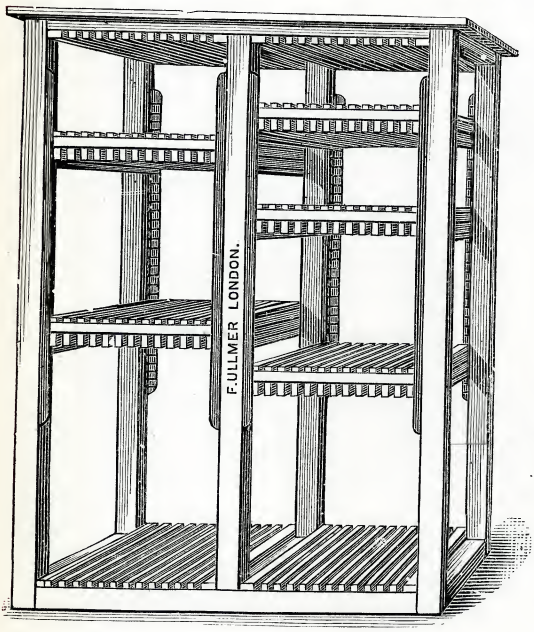
This Rack is made to store **Large Quantities of Leads** cut to ems, and in full lengths.

The shelves slope downwards from the front, and no amount of vibration will shake the Leads out. The Rack is 3 ft. high, so that the top will serve as a useful bench or bulk.

Size, 4 ft. long, by 3 ft. high, by 10 in. from back to front.

PRICE ... **£3 10s.**

"Standard" Adjustable Forme Rack.



Invaluable in any Printing Office.

This Rack is made to hold 84 Formes, 12 each of 7 sizes, from Double Demy to Card. The Shelves can be adjusted to any distance to suit any size Chase.

Extra Shelves can be supplied to order, so that more Formes can be accommodated.

Double Rack, as illustration, with 5 adjustable Shelves to take 84 Formes, Size, 7 ft. high, by 5 ft. wide, by 2 ft. from back to front.

PRICE ... **£6 15s.**

Single Rack, with 3 adjustable Shelves to take 60 Formes. Size, 7 ft. high, by 2 ft. 8 in. wide, by 2 ft. from back to front.

PRICE ... ... **£4 10s.**

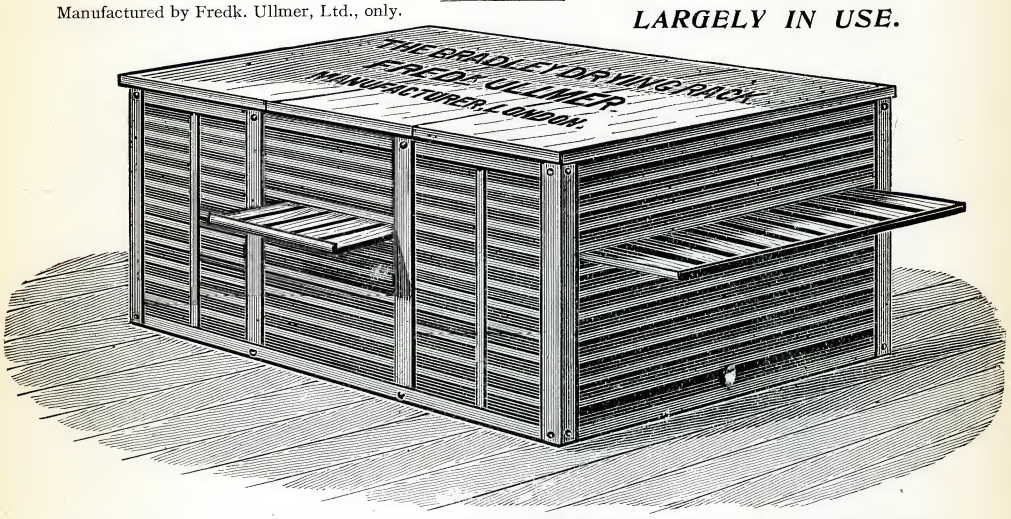
THE

Registered "Bradley" Drying Rack.

Specially Important now that Fire Insurance Offices are so particular.

Manufactured by Fredk. Ullmer, Ltd., only.

LARGELY IN USE.



This is the invention of a practical printer, and is a perfect arrangement for drying sheets after leaving the machine. The engraving represents this drying rack. The top forms a strong table, suitable for Paging, Eyeletting Machines, &c., or for packing up work. The parts are fitted with iron bed bolts. Special attention of printers is drawn to the advisability of having Drying Racks in their office, and to the fact that Insurance Companies are now very strict in their examinations of Drying Apparatus, and in some cases refuse to insure, or considerably raise the premium, if the old method of drying sheets by suspension poles or cords along the ceiling is adopted.

The "Bradley" Rack is most handy and compact, and we confidently recommend it to printers.

No. 1 Size—6 ft. 6 in. long, 4 ft. wide, and 3 ft. 6 in. high. Fitted with 24 Double Demy, and 24 Demy Open Trays, with space to take half a ream of paper on each Tray **£7 10 0**

Six Casters for easy removal, extra (if required) **12/6**

No. 2 Size—4 ft. long, 2 ft. 2 in. wide, and 3 ft. high. Fitted with 12 Double Demy Open Trays, with space to take half a ream on each tray **2 15 0**

Four Casters for easy removal, extra (if required) **6/-**

☛ ***OTHER SIZES MADE TO ORDER.***

The "Handy" Drying Rack.

FOR SMALL WORK.

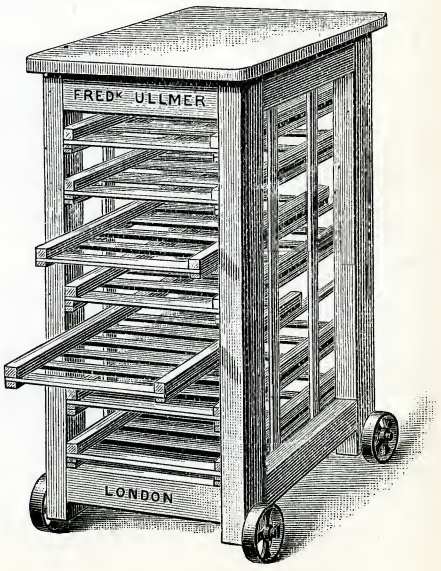
SPECIALLY SUITABLE FOR PLATEN MACHINES.

Tidiness saves time and cost. Easily moved.
Should be in every Office.

The illustration shows the utility of this Rack, and it will be found very convenient for drying small work, and is especially handy for Platen Machines. Each Rack has seven Trays, with a clear space of 3¼ inches between each Tray. The Rack, being on iron runners, is easily moved to any part of the room. Made in two sizes as under:—

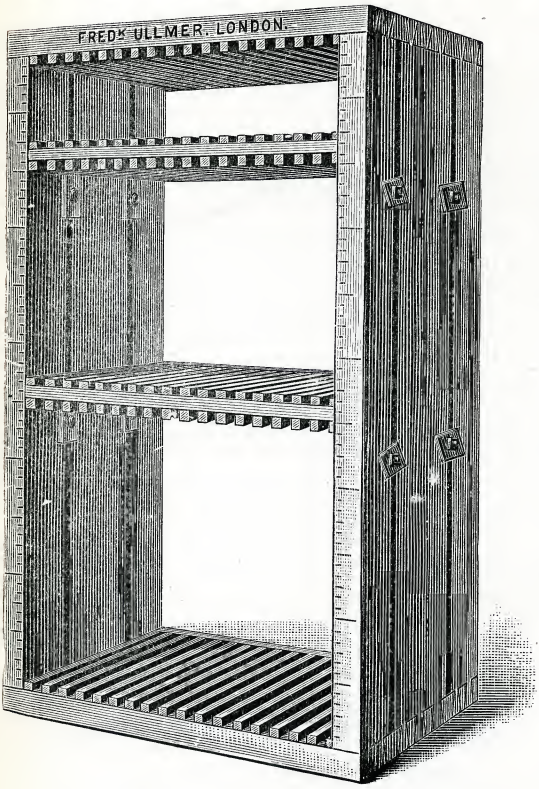
To take Sheet, size 17½ by 11¼ in. ... **£1 17 6**
Ditto demy, 18 by 22½ in. **2 5 0**

Top can be covered with Zinc at a small extra cost.



Every description of Printers' Joinery at lowest rates for first quality.

The "Adaptable" Forme Rack.



CAN BE REGULATED
TO TAKE - - -
ANY SIZE FORME.

An Acquisition to any Printing Office.
Strong.
Neat Appearance.
Well made and Reliable.

THE above can be made with two or more shelves, if required. The shelves can be adjusted to any height, to take either card chases, or larger, by means of the bolts in the vertical slots at the sides When the position of the shelf has been adjusted, see that the nuts on the bolts are screwed well home at both sides, so as to keep the shelves firmly in position. There is a gauge on the front, so that each side of the shelf can be evenly adjusted without the necessity of measuring.

Size 1.—6 ft. high, 1 ft. 6 in. back to front, width, 3 ft., with Racks on top and bottom, and Two Shelves.

£3 5 0

Extra Shelves, each, ***7/6.***

Size 2.—6 ft. high, 2 ft. 3 in. back to front, width, 3 ft., with Racks on top and bottom, and Two Shelves.

£4 10 0

Extra Shelves, each, ***10/-***

Other Sizes made at proportionate prices.

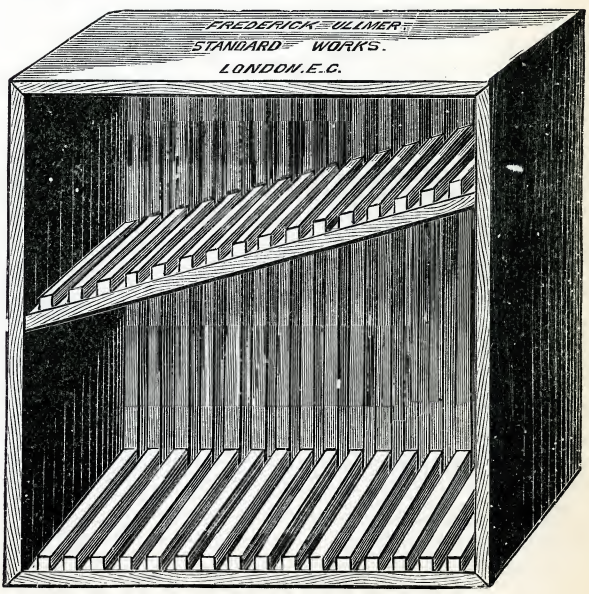
FORME RACKS.

Forme Racks to take 34 Chases Double Crown to Card; size 46 inches high, 36 inches wide, 23 inches deep.

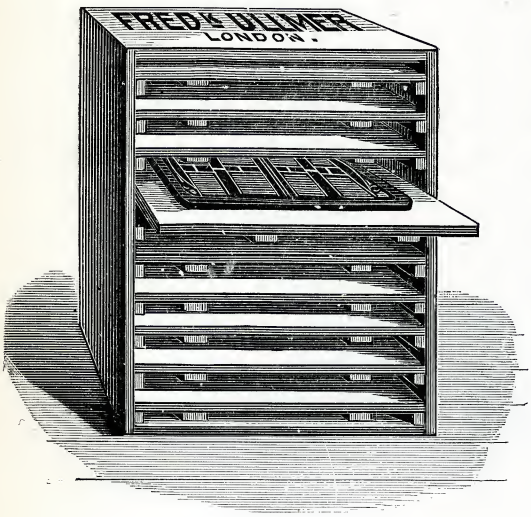
£1 17 6

Forme Racks to take 34 Chases, Double Demy to Card; size 50 inches high, 36 inches wide, 23 inches deep.

£1 19 6



LETTER BOARD RACKS.



STRONG & WELL MADE.

Rack for 10 Demy Letter Boards ...	£0 17 6
Rack for 10 Royal Letter Boards ...	0 18 6
Rack for 10 Double Crown Letter Boards	1 1 0
Rack for 10 Double Demy Letter Boards	1 10 0

LETTER BOARD RACKS MADE TO ANY SIZE.

LETTER BOARDS.

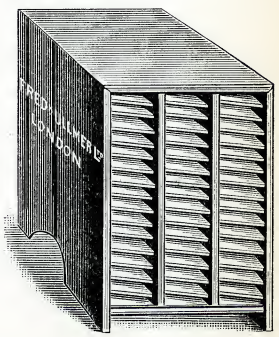
MADE OF THE BEST WHITE DEAL WITH BATTENS.

Crown Letter Boards,	22 by 18	per pair	£0 8 0
Demy ,,	,, 26 by 21	,,	0 9 0
Royal ,,	,, 30 by 24	,,	0 10 0
Dbl. Crown	,, 32 by 24	,,	0 12 0
Dbl. Demy	,, 39 by 27	,,	0 15 0
Dbl. Royal	,, 42 by 27	,,	0 18 6

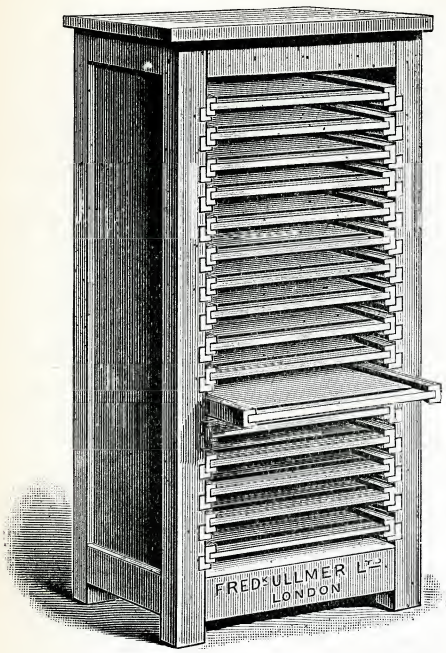
GALLEY RACKS.

WITH SHELVES FROM BACK TO FRONT.

Galley Rack, 1 tier, to hold 15 Double Column Galleys	£1 1 0
Galley Rack, 2 tier, to hold 30 Double Column Galleys	1 15 0
Galley Rack, 3 tier, to hold 45 Double Column Galleys	2 10 0
Galley Rack, 4 tier, to hold 60 Double Column Galleys	3 3 0



Other sizes at proportionate prices. *Can be fitted with Zinc at top at extra price.*



"STANDARD" LETTER BOARD RACK,

WITH SIXTEEN BOARDS FITTED.

Well finished. *Strongly made.*

HARD WOOD RUNNERS, L Shape.

Rack, fitted with 16 Boards, 17 by 15,

Price = £3 5s.

Other sizes at proportionate prices.

COMBINATION RACK.

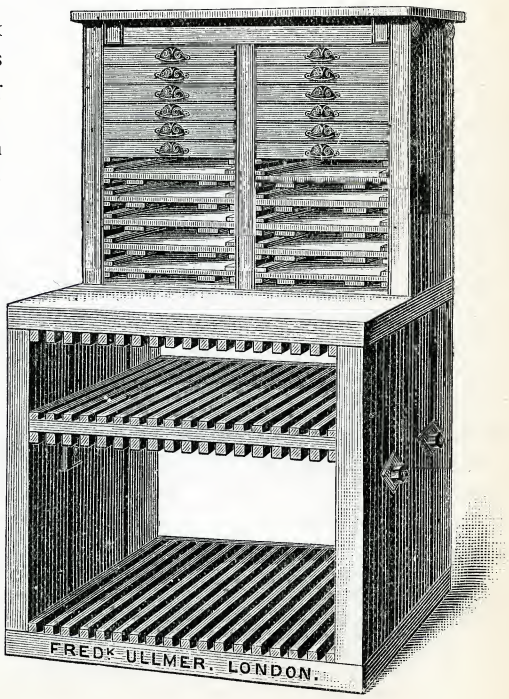
THE top portion of this Rack has 12 strong drawers with cup handles, for storing jobs tied up, woodcuts, electros, &c., also 10 letter boards, with rims at sides and back for standing formes.

The under portion serves as a useful Forme Rack, and will accommodate 30 formes.

It is connected by strong iron bolts, and not required to stand against a wall for support.

THIS WILL BE FOUND A SERVICEABLE ACQUISITION TO ANY OFFICE.

Price = £6 10s.



WOOD LETTER.—Well Cut. Beautifully Finished.

PRICE LIST.

Sizes.	No. 1.	No. 2.	No. 3.	No. 4.	No. 5.
	Per doz.	Per doz.	Per doz.	Per doz.	Per doz.
	s. d.	s. d.	s. d.	s. d.	s. d.
6 and 8 line	1 6	2 3	2 6	3 0	3 6
10 line	1 9	2 6	2 9	3 3	3 9
12 ,,	2 0	2 9	3 0	3 6	4 0
14 ,,	2 3	3 0	3 3	3 9	4 3
16 ,,	2 6	3 3	3 6	4 0	4 6
18 ,,	2 9	3 6	3 9	4 3	4 9
20 ,,	3 0	4 0	4 3	4 9	5 3
22 ,,	3 3	4 3	4 6	5 0	5 6

Sizes.	No. 1.	No. 2.	No. 3.	No. 4.	No. 5.
	Per doz.	Per doz.	Per doz.	Per doz.	Per doz.
	s. d.	s. d.	s. d.	s. d.	s. d.
24 line.	3 6	4 6	4 9	5 6	6 0
26 ,,	3 9	4 9	5 0	6 0	6 6
28 ,,	4 0	5 0	5 6	6 6	7 0
30 ,,	4 6	5 3	5 9	7 0	7 6
32 ,,	4 9	5 6	6 0	7 6	8 0
34 ,,	5 0	6 0	6 6	8 0	8 6
36 ,,	5 6	6 6	7 0	8 6	9 0
38 ,,	5 9	7 0	7 6	9 0	9 6

Sizes.	No. 1.	No. 2	No. 3.	No. 4.	No. 5.
	Per doz.	Per doz	Per doz.	Per doz.	Per doz.
	s. d.	s. d.	s. d.	s. d.	s. d.
40 line.	6 0	7 6	8 0	9 6	10 0
45 ,,	6 6	8 3	8 9	10 3	10 9
50 ,,	7 0	8 9	9 3	10 9	11 3
55 ,,	8 0	9 3	10 0	11 6	12 0
60 ,,	9 0	9 9	10 9	12 3	12 9
65 ,,	10 0	10 9	11 6	14 0	14 6
70 ,,	11 0	11 9	12 6	15 0	15 6
80 ,,	13 0	13 9	14 6	17 0	17 6

SPECIAL QUOTATIONS FOR LARGER SIZES. LINES OR SORTS ARE CHARGED ONE-HALF EXTRA.

CLASSIFICATION.

No. 1 Comprises.

Antique.
Antique Condensed.
Antique Compressed.
Antique Elongated.
Clarendon.
Clarendon Condensed.
Clarendon Elongated.
Gothic.
Gothic Condensed.
Sans.
Sans Condensed.
Sans Elongated.
Roman No. 1.
Roman Condensed.
Roman Elongated.

No. 2 Comprises.

Aldine.
Antique Condensed Old Style.
Antique Extended.
Clarendon Expanded.
Clarendon Extended.
French Antique.
Ionic No. 1.
Ionic Elongated.
Latin Compressed.
Roman Nos. 2 and 3.
Roman Extended No. 2.
Roman Elongated No. 2.
Roman Extra Elongated.
Sans Elongated Nos. 2 and 9.
Skeleton Elongated No. 2.

No. 3 Comprises.

Antique Expanded.
Antique Old Style.
Clarendon Grotesque.
Compressed Ornamented.
De Vinne.
De Vinne Condensed.
Erratic.
French Ornamented.
Fancy Grotesque Nos. 1 and 2
Gothic Expanded.
Italic Old Style No. 1.
Latin Compressed.
Latin No. 2.
Latin Expanded Nos. 1 and 2
Latin Italic.
Roman Expanded.
Roman Old Style Italic Nos. 1, 2, and 3.
Sans No. 10.
Tuscan Elongated.
Ticket Figures.

No. 4 Comprises.

Armorial Condensed.
Cicero.
Columbus.
De Vinne Expanded.
De Vinne Italic.
French Italic No. 1.
Heraldic.
Japanesque.
Mikado.
Rustic.
Scripts—Hausa.
Backhand.
Upright.

No. 5 Comprises.

Erratic Outline.
Caxton Black.
Old English Black.
Standard Black.
Ronde.
Outlines—2 Colours.
Latin Italics Nos. 4, 5, & 6.
Standard Text.

☛ For number of letters to a fount see next page.

To Clean Wood Type do not wash with lye or water, but clean it with benzoline or paraffin. If this be observed it will not warp.

Fredk. Ullmer, Ltd., Standard Works, Cross Street, Farringdon Road, London.

SCALE SHOWING THE NUMBER OF EACH LETTER SUPPLIED WITH FOUNTS OF VARIOUS SIZES.

| | | |

WOOD RULE.

PLAIN AND FANCY.
WELL CUT ON HARD WOOD.

Prices are for Yard Lengths.

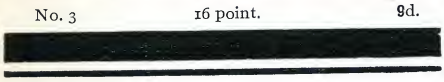
No. 1 — 10 point. — 9d.



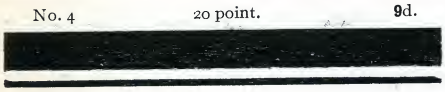
No. 2 — 12 point. — 9d.



No. 3 — 16 point. — 9d.



No. 4 — 20 point. — 9d.



No. 5 — 24 point. — 10d.



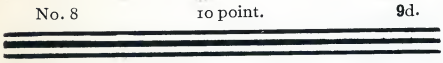
No. 6 — 28 point. — 1/-



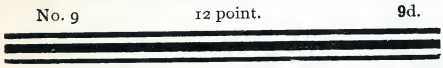
No. 7 — 36 point. — 1/-



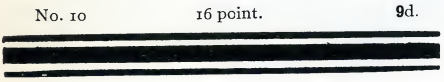
No. 8 — 10 point. — 9d.



No. 9 — 12 point. — 9d.



No. 10 — 16 point. — 9d.



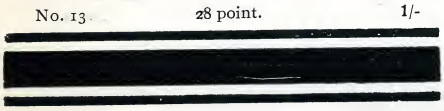
No. 11 — 20 point. — 1/-



No. 12 — 24 point. — 1/-



No. 13 — 28 point. — 1/-



No. 14 — 36 point. — 1/-



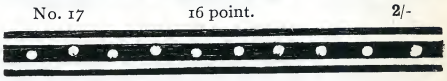
No. 15 — 12 point. — 1/6



No. 16 — 12 point. — 1/6



No. 17 — 16 point. — 2/-



No. 18 — 16 point. — 1/6



No. 19 — 20 point. — 1/6



No. 20 — 20 point. — 2/6



No. 21 — 24 point. — 2/-



No. 22 — 24 point. — 2/-



No. 23 — 28 point. — 2/6



No. 24 — 36 point. — 2/9



No. 25 — 36 point. — 2/-



Special Quotations for Quantities.

Cut either to Point System or ordinary English Bodies.

WAVED WOOD RULE.

Well Cut on Hard Wood. **Prices are for Yard Lengths.**

No. 26 — 10 point. — 1/6



No. 27 — 12 point. — 1/6



No. 28 — 12 point. — 1/6



No. 29 — 16 point. — 1/6



No. 30 — 16 point. — 1/6



No. 31 — 20 point. — 1/6



No. 32 — 20 point. — 1/6



No. 33 — 24 point. — 1/6



No. 34 — 24 point. — 1/6



No. 35 — 28 point. — 1/6



No. 36 — 28 point. — 1/6



No. 37 — 36 point. — 1/6



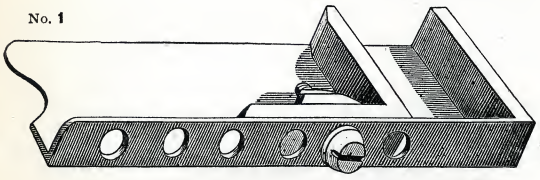
No. 38 — 36 point. — 1/9



Larger Sizes at Proportionate Prices.
Cut either to Point System or ordinary English Bodies.

Composing Sticks.

No. 1



LATEST PATTERNS.

Beautifully finished and warranted perfectly true.

A Stock always on hand.

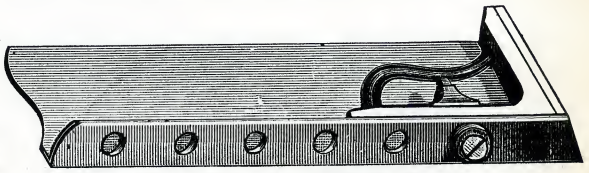
	s.	d.
6 inch ... ... each	3	9
7 inch ... ... ,,	4	0
8 inch ... ... ,,	5	0
9 inch ... ... ,,	5	6
10 inch ... ... ,,	5	9

	s.	d.
12 inch ... ... each	6	9
14 inch ... ... ,,	8	0
16 inch ... ... ,,	9	0
18 inch ... ... ,,	10	0
20 inch ... ... ,,	12	0

	s.	d.
MAHOGANY NEWS STICK, brass lined, to any set measure, 20 ems and under, each	4	6
Do. do. do. 20 ems and under 30 ems ... ... ,,	5	6

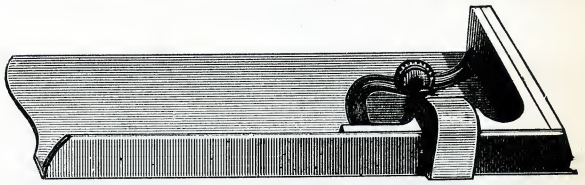
Improved Bracket Slide Composing Sticks.

No. 2



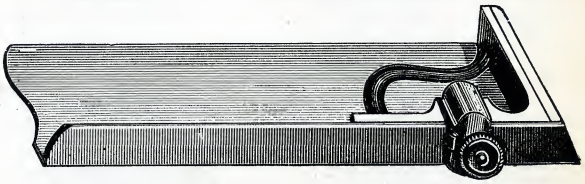
6 inch, each ... 4/6 And for each inch extra ... 8d.

No. 3



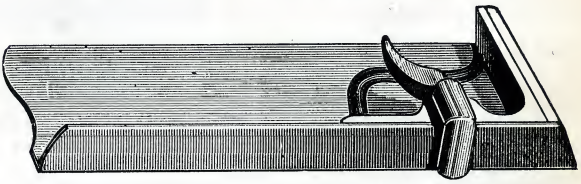
6 inch, each ... 5/- And for each inch extra ... 8d.

No. 4



6 inch, each ... 6/- And or each inch extra ... 8d.

No. 5



6 inch, each ... 5/3 And for each inch extra ... 8d.

LATEST PATTERNS.
WELL MADE.

All kinds of Composing Sticks repaired and new parts fitted.

Composing Sticks made to any special size or width at special prices.

Names and Monograms engraved on Composing Sticks to order.

GUN METAL COMPOSING STICKS, 1d. per inch more than above prices.
GERMAN SILVER COMPOSING STICKS, suitable for presentation, 2/- per inch.

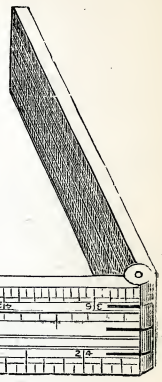
IMPROVED BROADSIDE COMPOSING STICKS.

	s.	d.
20 inch Mahogany Broadside, French polished, with brass end and slide ... ... each	5	6
24 inch ,, ,, ,, ,, ... ,,	6	0
30 inch ,, ,, ,, ,, ... ,,	6	6
36 inch ,, ,, ,, ,, ... ,,	7	0
42 inch ,, ,, ,, ,, ... ,,	7	6

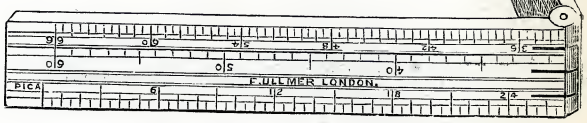
Sundries for the Composing Room.

TYPE SCALES OR MEASURES.

Flat Boxwood Type Scale	each	2/6
Flat Boxwood Type Scale, 12 in.	,,	3/6
Folding Boxwood Type Scale, 2-fold	,,	4/6
Flat Ivory Type Scale	,,	5/6
Folding Ivory Type Scale, 2-fold, suitable for present	,,	7/6
Folding Ivory Type Scale, 4-fold, suitable for present	,,	8/6
Special Boxwood Type Scale, marked Pearl to Great Primer; also sizes French Metre and English Inches	,,	10/6



ALSO SIZES
FRENCH METRE AND
ENGLISH INCHES.





CORRECTING NIPPERS, without case per pair **7d.**



BODKIN AND NIPPERS combined, in leather case ... ... each **1/9**



BODKINS, in case, for pocket ... ... each **1/3**

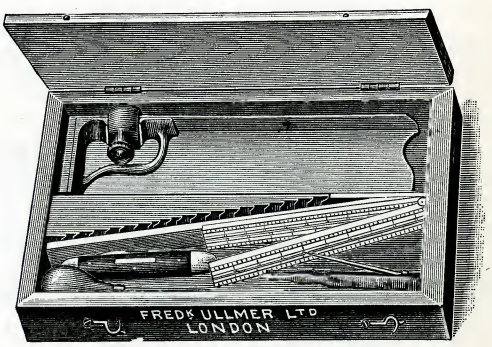


BODKINS, box handles ... ... per doz. **2/-**
BODKIN BLADES only... ... ,, **1/-**

THE COMPOSITOR'S COMPANION.

Suitable for Presents.

EVERY ARTICLE IN DAILY USE.



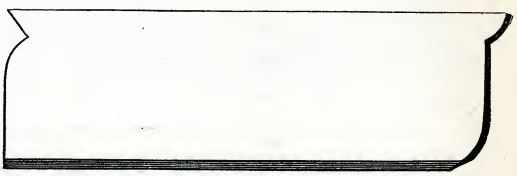
No. 1 contains one 8 in. improved Composing Stick; one set brass Setting Rules from 4 to 30 ems (rising 2 ems, and including 15, 17, 19, and 21 ems); one 4-blade Pocket Knife; one Bodkin and Tweezers, in leather case; folding boxwood Type Scale, 2-fold; complete in nice mahogany box **£1 1 0**

No. 2 contains one 8 in. improved German silver Composing Stick; one set nickel Setting Rules, as above; one 4-blade Pocket Knife; one Bodkin and Tweezers, in leather case; one folding ivory Type Scale, 4-fold; complete in nicely-finished mahogany box **£1 15 6**

IMPROVED POLISHED SETTING RULES.

Brass, Steel, or Nickel.

GUARANTEED ACCURATE.
MADE TO ANY FOUNDER'S STANDARD.



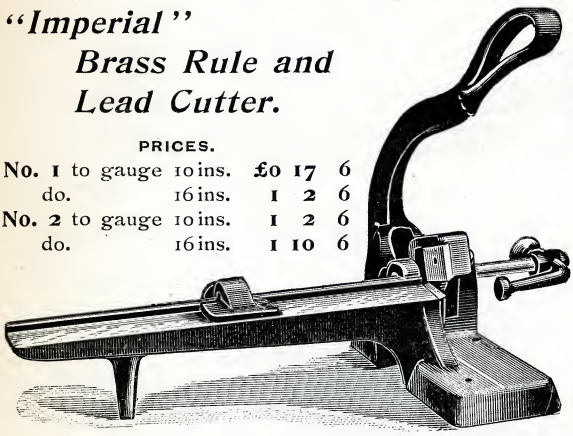
No. 1 SET contains one each 4, 6, 8, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 26, 28, and 30 ems,
Price in brass, **3/-**; steel, **4/-**; nickel, **5/6**

No. 2 SET contains one each above sizes, also 32, 34, 36, 38, 40, 42, 44, 46, 48, and 50 ems,
Price in brass, **5/-**; steel, **6/6**; nickel, **8/6**

If wanted in mahogany box, 2/- extra.

Brass Rule and Lead Cutters.

"Imperial" Brass Rule and Lead Cutter.



PRICES.

No. 1 to gauge	10 ins.	£0	17	6
do.	16 ins.	1	2	6
No. 2 to gauge	10 ins.	1	2	6
do.	16 ins.	1	10	6

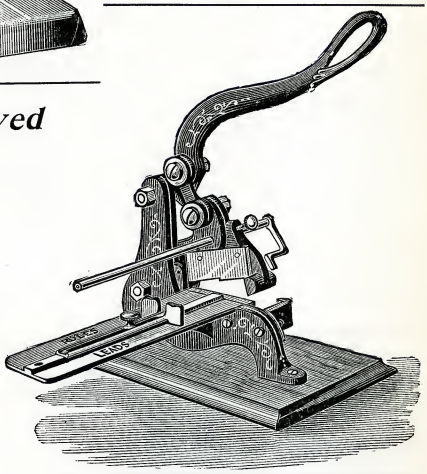
THESE Cutters are strong and well made, and will cut Brass Rule, Leads, &c., rapidly and accurately. The open front gives great facility for quickly feeding the machine. The gauges are easily adjusted.

No. 1 is made with a narrow bed; Leads and Rules are laid up to the same back or fence (as illustration).

No. 2 is fitted with a wide bed and double fence, the back one for Rules and the front one for Leads. By this arrangement we are able to give more angle to the Rule Knife, so that it will cut thick Rules with great ease, while the Lead Knife is kept nearly flat.

CUTS EASY, CLEAN, AND TRUE.

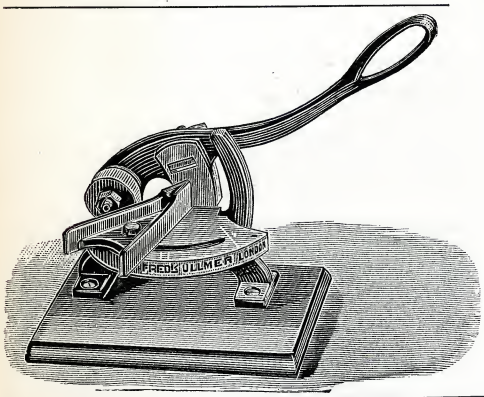
The "Standard" Improved Brass Rule Cutter.



POWERFUL AND ACCURATE.
CUTS CLEAN AND WITH EASE.
LEAVES NO BURR.

This Brass Rule Cutter is used by the Chief Printers in the Kingdom.

Price (Ordinary Size) .. 25s. each.
Large Size, Long Bed .. 30s. ,,



The "Nimble" Mitreing Machine.

This Machine is well finished and mounted on Mahogany Board.

WILL MITRE BRASS OR METAL.
WILL MITRE AT ANY ANGLE.

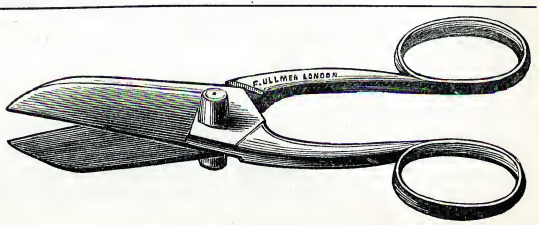
Square of Machine, 14 by 6 inches. (Handle included.)

Price .. .. .. 25/-.

Shears.

MANUFACTURED EXPRESSLY.

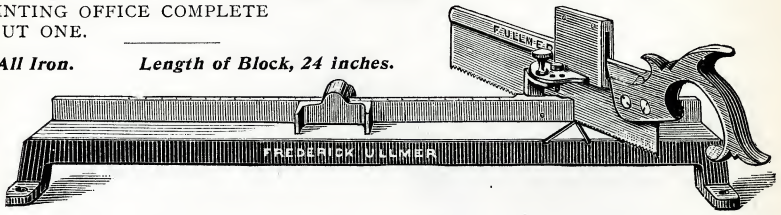
Improved Strong Brass Rule Shears,
4/6 per pair.



"Standard" Mitreing and Saw Block.

NO PRINTING OFFICE COMPLETE WITHOUT ONE.

All Iron. ***Length of Block, 24 inches.***



We recommend to the trade this useful article for cutting up Furniture, Reglet, Wood Rule, &c. It is well finished, and has a movable gauge marked to pica ems; can be easily set to saw straight or mitre accurately. The Saw is so fitted that it prevents cutting upon the iron bed.

PRICE, complete (with best Sheffield-made Saw) = = ***30/-.***

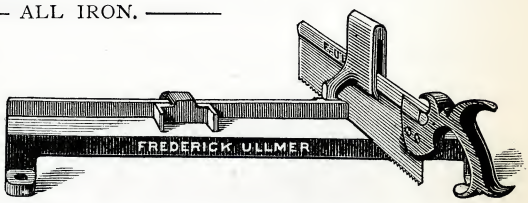
"Standard" Saw Block.

ALL IRON.

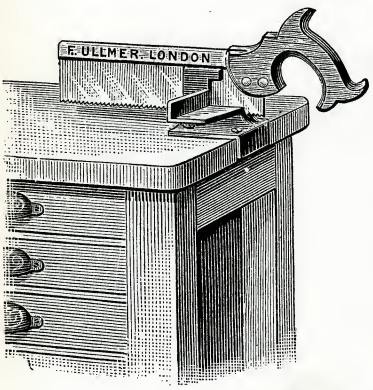
This is similar to above, but only fitted for straight cutting. It will be seen that these Saw Blocks are not only very cheap, but are vastly superior to the Wooden Saw Block, and occupy much less room.

PRICE, complete, 12/-

(With best Sheffield-made Saw.)



The "Midget" Saw Block.



☛ SO HANDY AND CHEAP THAT NO PRINTING OFFICE SHOULD BE WITHOUT ONE.

Easily mounted on Bench or Counter.
Another useful time-saver.

This Handy Little Saw Block is designed to cut straight only. It should become very popular and quite supersede the cheap wooden ones.

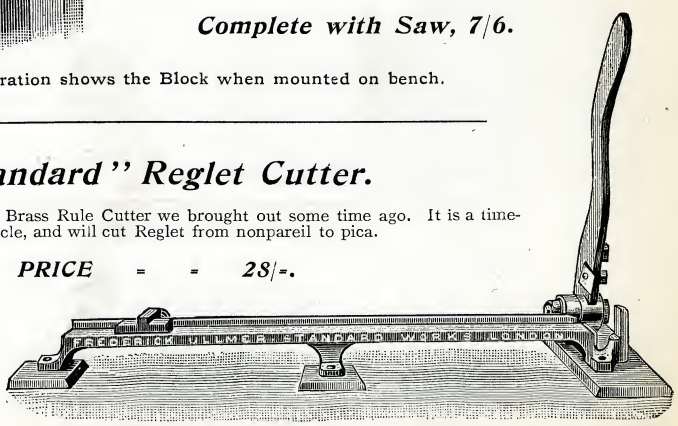
Complete with Saw, 7/6.

The above illustration shows the Block when mounted on bench.

"Standard" Reglet Cutter.

This is a companion to the Brass Rule Cutter we brought out some time ago. It is a time-saver and a handy little article, and will cut Reglet from nonpareil to pica.

PRICE = = ***28/-.***



Improved Leads.

		s.	d.			s.	d.
Leads, 4-to-Pica	per lb.	0	5	Leads, 8-to-Pica	per lb.	0	9
,, 6-to-Pica	,,	0	7	,, 12-to-Pica	,,	2	6

Other bodies to order. *Leads cut to any measure.*

Quotations.

	s.	d.
Quotations and Clumps, all sizes .. .. per lb.	0	5

Improved Metal Furniture.

Of superior accuracy and finish. Cast so as to secure maximum of strength and minimum of weight in the following sizes:—

Length in Pica Ems.

4, 5, 6, 8, 10, 12, 14, 15, 16, 18, 19, 20, 21, 22, 23, 25, 26, 30, 35, 40, 45, 50.

Widths.

½, 1, 2, 3, 4, 6, and 8 ems.

Price per lb. .. .. **5d.**

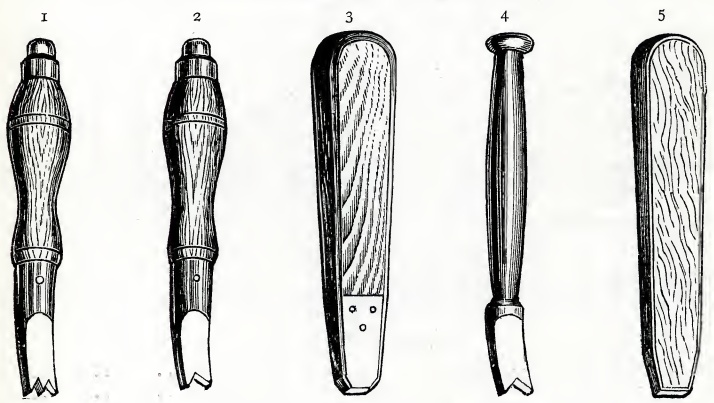
Quadrats.

		s.	d.			s.	d.
Nonpareil	per lb.	1	0	Pica	per lb.	0	6
Minion	,,	0	10	Great Primer	,,	0	7
Brevier	,,	0	9	Double Pica	,,	0	7
Bourgeois	,,	0	8	2-line Pica	,,	0	5
Long Primer	,,	0	7	2-line English	,,	0	5
Small Pica	,,	0	7	2-line Gt. Primer Quotations	,,	0	5

Spaces, em and en quads, and leaders same price as type. (See Type List.)

Angle Quads for justifying sloping lines, **2/-** *per lb. Complete Assortment,* **25/-**

Shooting Sticks.



	s.	d.
1.—Gun Metal News Shooting Sticks, 3 prongs .. .. each	3	6
2.—Ditto ditto 2 prongs .. .. ,,	3	0
3.—Gun Metal Tipped .. .. ,,	2	6
4.—Wrought Iron, Solid .. .. ,,	2	6
5.—Box Shooting Sticks .. .. per doz.	4	6
Cast Iron, same shape as No. 5 .. .. each	2	0
Composition Shooter, large (pattern as No. 5) .. .. ,,	2	0
Ditto ditto smaller .. .. ,,	1	9
Buckhorn Shooter .. .. ,,	2	0

IMPROVED GALLEYS.

Ordinary Column Galleys.

Mahogany Rims, Stout Zinc Bottoms, Well Made, and of the Best Material.

Made with or without projecting rims at the ends.



No stronger or better wearing Galley made at the price.

Inside Measurement.	Unlined. s. d.	Lined type-side and head. s. d.	Lined all round. s. d.
24 × 4¼	3 9	4 6	5 3
26 × 4¼	4 6	5 3	6 0
28 × 4¼	5 0	5 9	6 6
30 × 4¼	5 6	6 3	7 0
24 × 5¼	4 3	5 0	5 9
26 × 5¼	4 9	5 6	6 3
28 × 5¼	5 3	6 0	6 9
30 × 5¼	5 9	6 6	7 3
24 × 7	5 6	6 6	7 6
26 × 7	6 6	7 6	8 6
28 × 7	7 6	8 6	9 6
30 × 7	8 6	9 6	10 6

Other Sizes in Proportion. *Special Quotations for Quantities.*

Galley Side-Sticks .. .. 2/- per dozen.

Special Prices for Quantities.

Standard Improved Column Galleys.

ALL METAL.

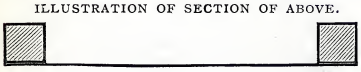


Well Made. Very Durable.

Made with or without Projecting Rims.

Size inside.	Zinc Bottom, Brass Tube Rims. s. d.	Brass Bottom. Brass Tube Rims. s. d.	Size inside.	Zinc Bottoms, Brass Tube Rims. s. d.	Brass Bottoms, Brass Tube Rims. s. d.
24 × 4¼	6 6	8 6	28 × 5¼	8 0	11 0
26 × 4¼	7 0	9 3	30 × 5¼	8 6	11 6
28 × 4¼	7 6	10 0	24 × 7	8 0	10 6
30 × 4¼	8 0	10 6	26 × 7	9 0	11 6
24 × 5¼	7 0	9 6	28 × 7	10 0	12 6
26 × 5¼	7 6	10 0	30 × 7	11 0	13 6

ILLUSTRATION OF SECTION OF ABOVE.



THESE TUBE RIM GALLEYS are a great improvement upon the ordinary wood Rim Galleys, being quite equal in strength and wear to a Solid Metal Galley, but much lighter in weight. The Brass Rims are made of Brass Tube filled in with wood.

Solid Brass Column News Galleys.

PEARL BOTTOMS.

24 × 4¼ inside	£0 18 0	28 × 4¼ inside	£1 2 6
26 × 4¼ ,, ...	1 0 0	30 × 4¼ ,, ...	1 5 0

Other Sizes in Proportion.

Brass Bottom Column News Galleys.

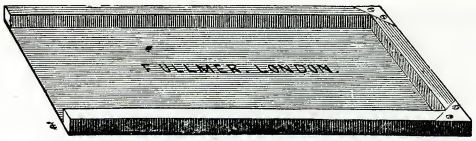
Mahogany Rims and Brass Corner Plates.

23 × 4¼ inside	£0 8 0	28 × 4¼ inside	£0 10 0
26 × 4¼ ,, ...	0 9 0	30 × 4¼ ,, ...	0 11 0

Zinc Jobbing Galleys.

BEST MAKE.

Made with or without projecting rims at end.



Mahogany Rims, Corner Pieces and Bottoms of Stout Zinc.

Size.	Inside Measurement. inches.	Unlined. s. d.	Half-Lined. s. d.	Lined all round. s. d.
Demy Octavo	8½ × 5½	2 3	2 9	3 0
Royal Octavo	10 × 6	2 9	3 3	3 6
Foolscap Quarto	10 × 7	3 0	3 6	4 0
Post Quarto	10 × 8½	3 6	4 0	4 6
Demy Quarto	13 × 9	3 9	4 3	4 9
Foolscap Folio	14 × 9	4 0	4 3	4 9
Royal Quarto	15 × 10	4 3	4 6	5 0
Crown Folio	16 × 10	4 6	5 0	5 6
Demy Folio	18 × 11	5 0	5 6	6 0
Royal Folio	21 × 13	5 9	6 6	7 0

Special Quotation for Quantities.

"Standard" Improved Metal Jobbing Galleys, No. 1.

Brass Tube Rims. Two Sides and Head, similar to a News Column Galley.



With or without Projecting Rims.

Size.	Inside Measurement. inches.	Brass Tube Rims. Zinc Bottoms. s. d.	Brass Tube Rims. Brass Bottoms. s. d.
Demy Octavo	8½ × 5½	5 0	6 6
Royal Octavo	10 × 6	5 6	7 6
Foolscap Quarto	10 × 7	6 6	8 6
Post Quarto	10 × 8½	7 0	9 0
Demy Quarto	13 × 9	7 6	9 6
Foolscap Folio	14 × 9	7 9	10 6
Royal Quarto	15 × 10	8 0	11 0
Crown Folio	16 × 10	8 3	11 6
Demy Folio	18 × 11	9 0	12 0
Royal Folio	21 × 13	10 0	13 0

Other Sizes in Proportion. Special Quotation for Quantities.

Improved Tube Rim Jobbing Galleys, No. 2.

One Side and Head, similar to a Mahogany Job Galley.

Sizes.	Inside Measurement. inches.	Brass Tube Rims. Zinc Bottoms. s. d.	Brass Tube Rims. Brass Bottoms s. d.
Demy Octavo	8½ × 5½	4 6	6 9
Royal Octavo	10 × 6	5 0	7 0
Post Quarto	10 × 8½	5 6	7 6
Demy Quarto	13 × 9	6 0	8 0
Foolscap Folio	14 × 9	7 0	8 6
Royal Quarto	15 × 10	7 6	8 6
Crown Folio	16 × 10	7 9	9 0
Demy Folio	18 × 11	8 0	10 0
Royal Folio	21 × 13	8 6	10 6

Mahogany Jobbing Galleys.



MADE OF WELL-SEASONED WOOD.

Size.	inches inside.	s.	d.
Demy Octavo	$8\frac{1}{2} \times 5\frac{1}{2}$	1	0
Royal Octavo	10 × 6	1	3
Foolscap Quarto	10 × 7	1	6
Demy Quarto	13 × 9	1	9
Royal Quarto	15 × 10	2	0
Crown Folio..	16 × 10	2	6

Size.	inches inside.	s.	d.
Demy Folio	18 × 11	2	9
Royal Folio	21 × 13	4	0
Foolscap Broadside	19 × 12	4	0
Crown Broadside	21 × 14	4	6
Demy Folio Slice		8	0

Mahogany Slip Galleys.

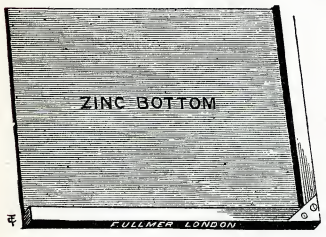


Inches inside.	s.	d.
18 × 5	1	9
21 × 5	2	0

Inches inside.	s.	d.
18 × 7	2	0
24 × 6	2	3

Zinc Jobbing Galleys, No. 2.

Mahogany Rims and Zinc Corner Plates, with One Side and Head, similar to a Mahogany Job Galley.



If Lined, Price Extra from 1/- to 1/6.

Zinc Bottoms and Wood Sides.

Size.	s.	d.
Demy Octavo	2	3
Post Quarto ..	3	0
Demy Quarto	3	6
Foolscap Folio	4	0
Post Folio ..	4	6
Demy Folio ..	5	0

Improved Proof Galleys.

WITH ZINC BOTTOMS.

Size.	s.	d.
Demy Octavo	4	6
Demy Quarto	6	6
Demy Folio	10	0

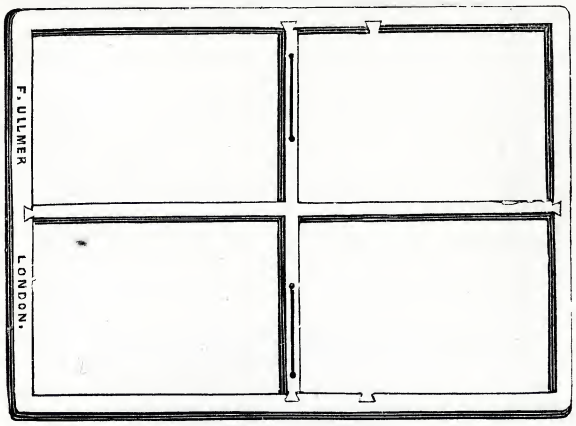
THIS Galley is for locking up Job Formes and taking proofs without removing the forme from the Galley, one side and the movable end being bevelled to form the side-sticks, the only fastening being the ordinary quoin pressed by the thumb at the side and end. These Galleys will be found a great saving of time, and should be used in every Jobbing Office.



Wrought Iron Book Chases.

With Movable Crosses.

Strong and Well Made.



Finished by Special Process.

Warranted Perfectly True.

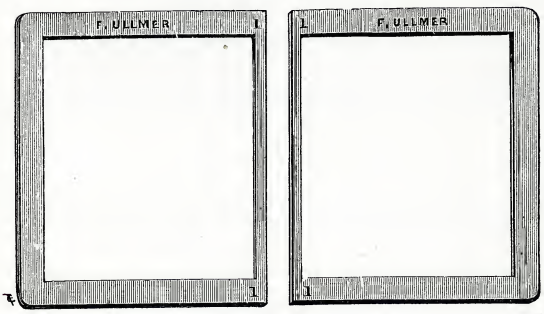
Cut for 8vo.	Inches Inside.	Per Pair.
Quad Crown	41 by 31	1 15 6
Double Royal	40 ,, 26	1 9 6
Double Demy	36 ,, 24	1 6 6
Double Crown	32 ,, 21½	1 3 6
Double Foolscap	29 ,, 19	1 2 0
Super Royal	28 ,, 21	1 1 6
Royal	26 ,, 20½	0 19 6
Demy	24 ,, 19	0 17 0
Crown	21 ,, 17	0 14 6
Foolscap	19 ,, 15	0 13 6

Cut for 8vo; if cut for 12mo, 1/6 per pair extra.

Wrought Iron Side and Foot-Sticks .. .. per lb. 1/4.

Newspaper Chases.

Made of the Best Wrought Iron.



Finished in a Superior Manner.

Folding News Chases, ⅝ in. high (if ½ in. high, special price)	per lb.	£0	0 8
Machine Chases fitted with Screws and Side Irons	per lb.	0	0 10
Iron Side-Sticks for Screw Chases	per in.	0	0 2
Steel Screws for News Chases	each	0	2 6
Steel Wrenches for Screws	,,	0	2 6

Wrought Iron Broadside Chases.



	Size Inside.	Each.		Size Inside.	Each.
Foolscap ..	19 by 15	£0 6 0	Dbl. Foolscap ..	29 by 19	£0 11 6
Crown ..	21 ,, 17	0 6 6	,, Crown ..	32 ,, 21½	0 12 0
Demy	24 ,, 19	0 8 0	,, Demy ..	36 ,, 24	0 14 0
Royal	26 ,, 20½	0 10 0	,, Royal ..	40 ,, 26	0 16 6
Super Royal ..	28 ,, 21	0 11 0	Quad Crown ..	41 ,, 31	1 0 6

Wrought Iron Broadside Chases made to any size at Proportionate Prices to above.

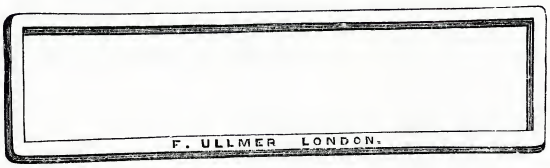
Wrought Iron Jobbing Chases.

	Size Inside.	Each.		Size Inside.	Each.
Royal Folio ..	20½ by 13	£0 5 6	Foolscap Quarto	9½ by 7	£0 3 9
Demy ,, ..	19 ,, 12	0 4 6	Royal Octavo ..	10 ,, 6½	0 3 9
Crown ,, ..	17 ,, 10½	0 4 6	Demy ,, ..	9 ,, 6	0 3 9
Foolscap ,, ..	15 ,, 9½	0 4 0	Crown ,, ..	8½ ,, 5½	0 3 9
Royal Quarto ..	13 ,, 10	0 4 0	Foolscap ,, ..	7½ ,, 5	0 3 9
Demy ,, ..	12 ,, 9	0 4 0	Card	6 ,, 4½	0 3 6
Crown ,, ..	10½ ,, 8½	0 4 0			

Customers ordering Chases of any particular size to fit Presses will oblige by giving the measurement of Table between the Corner Irons; if for a Machine, by giving the measurement of Table between the Bearers.

Wrought Iron Heading or Slip Chases.

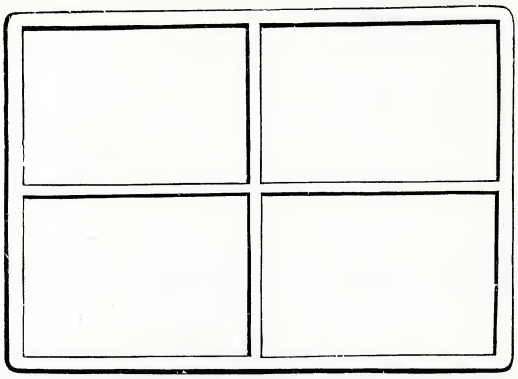
Slip Chases Made to any Size, 6d. per lb.



	Long Folio. Inches Inside.	Heading. Inches Inside.	Rim. Inches.	Each. £ s. d.
Double Royal	40 by 13 ..	40 by 9½ ..	1¼ by 25/32 ..	0 12 6
Double Demy	36 ,, 12 ..	36 ,, 8 ..	1¼ ,, 25/32 ..	0 11 9
Double Crown	32 ,, 10¾ ..	32 ,, 7¼ ..	1⅛ ,, 25/32 ..	0 10 0
Double Foolscap	29 ,, 9½ ..	29 ,, 7 ..	1⅛ ,, 25/32 ..	0 9 6
Super Royal	28 ,, 10½ ..	28 ,, 7 ..	1⅛ ,, 25/32 ..	0 9 6
Royal	26 ,, 10¼ ..	26 ,, 7 ..	1 ,, 25/32 ..	0 8 0
Demy	24 ,, 9½ ..	24 ,, 6 ..	1 ,, ½ ..	0 7 3
Crown	21 ,, 8½ ..	21 ,, 6½ ..	⅞ ,, ½ ..	0 6 0
Foolscap	19 ,, 7½ ..	19 ,, 5½ ..	¾ ,, ½ ..	0 5 6

Cast Iron Book Chases.

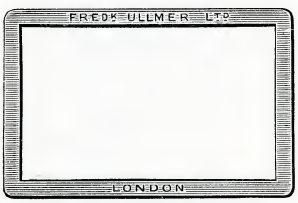
Warranted True.



Correct for Register.

For Octavo.	Inches Inside.	Per Pair.	For Octavo.	Inches Inside.	Per Pair.
Double Crown	32 by 21½	£0 16 6	Demy	24 ,, 19	£0 13 0
Double Foolscap	29 ,, 19	0 15 6	Crown	21 ,, 17	0 10 6
Super Royal	28 ,, 21	0 14 6	Foolscap	19 ,, 15	0 9 0
Royal	26 ,, 20½	0 14 0	Demy Folio	19 ,, 12	0 9 0

Cast Iron Job Chases.



	Inches Inside.	Each.		Inches Inside.	Each.
Card, No. 1	5 by 3⅝	£0 0 8	Post Folio	15½ by 10⅜	£0 2 3
Card, No. 2	5 ,, 4⅛	0 0 8	Demy Folio	18⅞ ,, 12⅛	0 3 0
Crown 8vo	8 ,, 5⅛	0 1 0	Medium Folio	19⅞ ,, 10⅞	0 3 3
Demy 8vo	9⅜ ,, 5½	0 1 2	Royal Folio	20¾ ,, 13	0 3 3
Royal 8vo	10¼ ,, 6⅞	0 1 3	Foolscap Broadside		0 3 6
Demy 4to	11¾ ,, 9⅞	0 2 0	Crown Broadside		0 4 0
Royal 4to	12¾ ,, 10⅞	0 2 3	Demy Broadside		0 5 0
Foolscap Folio	14¾ ,, 9⅝	0 2 3	Royal Broadside		0 6 0

Special Quotations for Quantities.

Cast Iron Heading or Slip Chases.

	Long Folio. Inches Inside.	Heading. Inches Inside.	Each. £ s. d.
Double Crown	32 by 10¾	32 by 7¼	0 3 6
Double Foolscap	29 ,, 9½	29 ,, 7	0 3 3
Royal	26 ,, 10¼	25 ,, 7	0 3 0
Demy	24 ,, 9½	24 ,, 6	0 2 9
Crown	21 ,, 8½	21 ,, 6½	0 2 6
Foolscap	19 ,, 7½	19 ,, 5½	0 2 6

Special .. 17 by 4 .. 2/6 .. 21 by 4 .. 3/-

Special Quotations for Quantities. All Cast Chases are of the Best Quality and Filed Inside.

Cast Iron Platen Machine Chases.

		s.	d.
Standard Platen No. 1, 8 in. by 5 in.	each	2	0
Do. No. 2, 11 in. by 7 in.	,,	2	9
Foolscap Folio Standard Platen	,,	3	0
Crown Folio ,, ...	,,	4	0
Foolscap Folio Cropper Platen	,,	3	0
Crown Folio ,, ...	,,	4	0
Large Post Folio ,, ...	,,	5	0
Demy Folio ,, ...	,,	6	0
Foolscap Folio Arab Platen	,,	3	0
Crown Folio ,, ...	,,	4	0
Foolscap Folio, with bars for cards, for either Standard, Cropper, or Arab Platen	,,	4	6
Crown Folio ,, ,, ,, ,, ,, ,,	,,	6	6
Demy Folio ,, ,, for either Standard or Cropper Platen..	,,	7	6

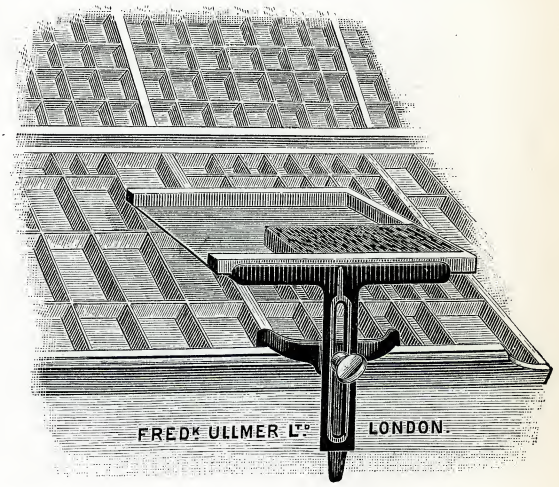
Composing Frame Surface.

(Fowler's Patent.)

STRONG!
LIGHT!
PORTABLE!

Hangs on Front of any Frame Without Fastening.

Does not Injure Type, Frame, or Cases.



The above illustration shows the article hanging on frame, and with galley and forme resting on it.

Weight ... 3 lb. Height ... 8½ in. Width ... 10 in.

Price 10/6 Net.

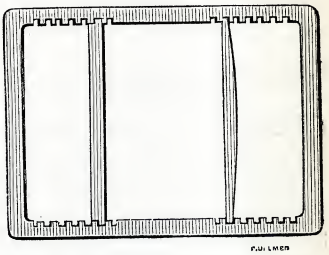
PRINTERS will realise at sight the advantages of this useful invention. It can be attached to any kind of Composing Frame, and by half a turn of thumb-screw the compositor's galley or case can be raised to a horizontal position, thus greatly facilitating the composition of borders, ornate work, curved and diagonal lines, &c. Immediately adjustable for all sizes and styles of galleys, cases, and frames. Very useful to artistic printers, and saves time and space in being able to build up, correct, and complete many jobs on the composing frame instead of the stone.

Wrought Iron Rack Chases.

Wrought Iron Rack Chases are very useful in Jobbing Offices, no Furniture being required.

To Fit Foolscap Press	£0	12 6
,, Crown ,, ...	0	14 6
,, Demy ,, ...	0	18 6
,, Royal ,, ...	1	0 0
,, Super Royal ,, ...	1	2 0
,, Dbl. Crown ,, ...	1	4 0
,, Dbl. Demy ,, ...	1	8 0

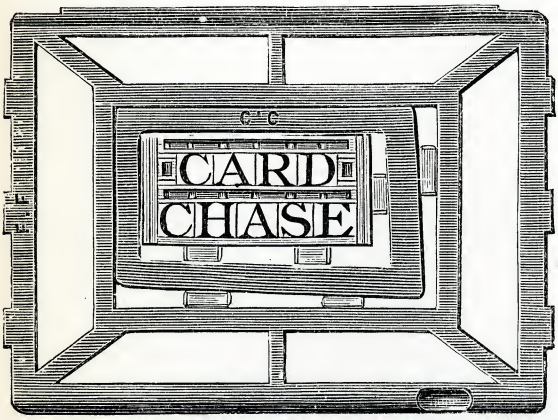
Rack Chases made to fit any size Press or Machine.



In ordering, please state the size of table of the press, by giving the measurement between the corner irons; the size of table inside bearers is required for machines.

Lock-up Card Chases

(CAST IRON.) *For Platen Machines.*



THIS Improved Card Chase is a simple contrivance, by means of which a great saving can be effected in the time occupied in fitting side-sticks, etc., to formes. The type-side and head of chase are at right angles, so that the type may be secured perfectly square, whilst the other side and foot gradually diverge, so as to form side and foot-stick, both for locking up the formes and also the chase itself in the Cropper or other chases fitted to presses or machines. They are made in three sizes:

	inches.	Price per pair. s. d.
No. 1.	7 by 5 outside	... 2 6
No. 2.	8 by 5 ,,	... 2 6
No. 3.	10 by 6¾ ,,	... 3 0

For the outer Chase see Chases for Platen Machines.

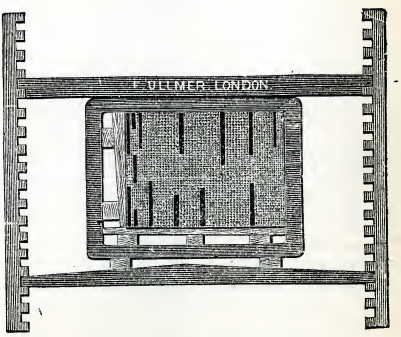
Machine Locking-up Bars.

(CAST IRON.)

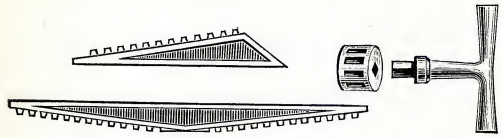
	£	s	d.
News Size	1	0	0
Double Royal	0	14	0
Double Demy	0	12	0
Double Crown	0	10	0
Demy	0	8	0
Crown	0	6	0

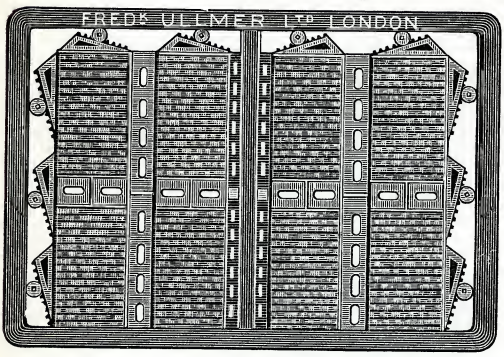
Other Sizes in Proportion.

The Size of Table of Machine is required when ordering Locking-up Bars.



The Marinoni Quoin.





Prices of Locking-up Apparatus with Single Arrangement.

THE COMPLETE APPARATUS.

length	s.	d.	length	s.	d.	length	s.	d.
4 in. ...	0	5	4¾ in. ...	0	6	5½ in. ...	0	7

Prices of Locking-up Apparatus with Double Arrangement.

THE COMPLETE APPARATUS.

length	s.	d.	length	s.	d.	length	s.	d.
6 in....	0	10	15 in....	2	3	23½ in....	5	2
7 ...	1	0	15½ ...	2	4	24 ...	5	4
7½ ...	1	0	16 ...	2	6	24½ ...	5	7
8 ...	1	1	16½ ...	2	8	25 ...	5	9
8½ ...	1	2	17 ...	2	9	25½ ...	6	2
9 ...	1	2	17½ ...	2	11	26 ...	6	5
9½ ...	1	3	18 ...	3	1	26½ ...	6	7
10 ...	1	3	18½ ...	3	3	27 ...	6	9
10½ ...	1	6	19 ...	3	5	27½ ...	7	0
11 ...	1	6	19½ ...	3	7	28 ...	7	3
11½ ...	1	7	20 ...	3	10	28½ ...	7	3
12 ...	1	8	20½ ...	4	0	29 ...	7	4
12½ ...	1	8	21 ...	4	2	29½ ...	7	5
13 ...	1	9	21½ ...	4	4	30 ...	7	6
13½ ...	1	10	22 ...	4	6	30½ ...	7	8
14 ...	2	0	22½ ...	4	9	31 ...	7	8
14½ ...	2	2	23 ...	5	0			

PRICE OF KEYS, TWO SHILLINGS EACH.

Above 26 in. are made to work with four pinions.

THIS Locking-up Apparatus dispenses with wooden side and foot-sticks, mallet and shooter, and wooden quoins. As a means of locking up formes it is so powerful that it may be accomplished without any greater effort than that required for opening or shutting a good lock; yet it acts with perfect regularity, and nothing can be more simple or secure.

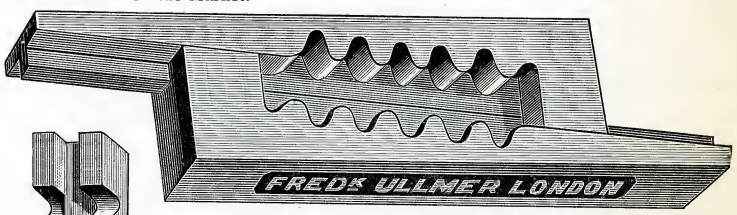
By the employment of this locking-up apparatus formes may be kept standing for any length of time, as it is not affected either by dryness or humidity like the wooden quoin. Once tightened it cannot, by any possibility, become loosened of itself.

This useful invention is composed of a Quoin or side and foot-stick in tempered metal provided with teeth; and the apparatus completed by a cog with corresponding teeth, which is turned by a key.

The Interchangeable Quoin.

(Hempel's Pattern.) **Made of the very best Malleable Castings.**

THIS pattern Quoin is well known, being largely used in the United Kingdom and abroad. All the Quoins are alike, and are interchangeable, every quoin is fitted and tried with Key before being sent out. They are well made. No better article of its kind in the Market.

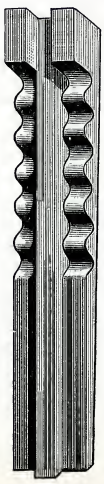


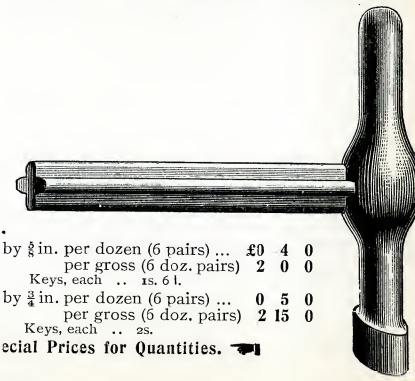
Are very durable.

Every Quoin well finished.

Special Quotations for large quantities.

These Quoins are manufactured at the "Standard" Works. The very best material used.





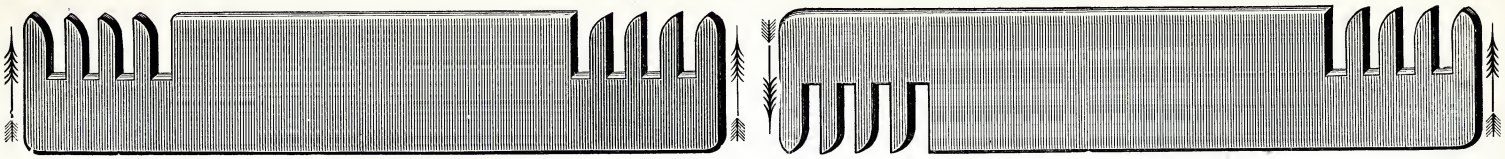
PRICES.

Size 1—2⅜ in. by ⅝ in. per dozen (6 pairs) ... £0 4 0
Ditto per gross (6 doz. pairs) 2 0 0
Keys, each .. 1s. 6d.

Size 2—3⅜ in. by ¾ in. per dozen (6 pairs) ... 0 5 0
Ditto per gross (6 doz. pairs) 2 15 0
Keys, each .. 2s.

Special Prices for Quantities.

Patent Type Binder. (V.R. No. 13201/92.)



A B

Strong Steel Reglets about a Nonpareil in Thickness. ***Takes the place of Page Cord.***

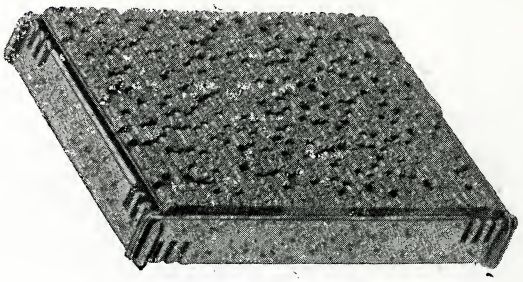
Arrangement of the Assortments.

Type Binders holding Continental Picas (Cicero).		*4 to 10	8 to 14	12 to 18	14 to 20	16 to 22	18 to 24	20 to 26	24 to 30	28 to 34	30 to 36	32 to 38	34 to 40	36 to 42	40 to 46	44 to 50	48 to 54	52 to 58	56 to 62	60 to 66	66 to 72	Total No. of Pieces.
Assortment **A**	"A" Binders	32	64	100	48	144	64	148	80	80	—	80	—	80	80	48	48	48	64	40	8	2,570
	"B" Binders	24	40	48	—	66	—	60	60	80	64	144	64	128	128	64	64	64	124	72	20	
B	"A" Binders	24	48	100	40	100	44	100	60	60	—	60	—	48	60	48	40	40	48	24	6	1,920
	"B" Binders	24	36	40	—	48	—	48	48	60	40	72	40	90	90	60	48	60	90	60	16	
C	"A" Binders	20	36	64	32	64	36	64	36	32	—	36	—	36	40	20	20	24	36	20	6	1,300
	"B" Binders	20	20	28	—	32	—	40	36	40	36	48	30	60	64	36	36	36	64	40	12	
D	"A" Binders	16	24	40	20	48	24	32	32	20	—	20	—	20	24	16	16	10	16	16	6	790
	"B" Binders	12	16	16	—	16	—	24	24	24	20	32	20	32	32	24	24	16	24	24	10	
E	"A" Binders	8	12	12	8	16	12	16	8	8	—	16	—	8	16	8	8	8	8	8	4	360
	"B" Binders	8	8	8	—	8	—	16	8	8	8	8	12	16	16	8	8	8	16	8	4	
F	"A" Binders	4	4	4	8	8	8	8	4	4	—	6	—	4	6	4	4	4	4	4	4	180
	"B" Binders	4	4	4	—	4	—	8	4	4	4	4	8	8	8	4	4	4	4	4	4	

For Prices see next page.

Fredk. Ullmer, Ltd., Standard Works, Cross Street, Farringdon Road, London.

Patent Type Binders—*continued.*



PRICES.

		NET.			NET.
Assortment	A	£13 16 0	Assortment	D	£4 5 0
,,	B	10 7 0	,,	E	1 19 0
,,	C	6 18 0	,,	F	0 19 6

Boxes arranged to hold the different sizes of Type Binders extra.

PRICES FOR SINGLE PIECES.

					s.	d.
Type Binders to hold	4 to 10*	Picas	...	... per 100 pieces	6	11
Ditto	8 to 14	,,	...	... ,,	7	6
Ditto	12 to 18	,,	...	... ,,	8	1
Ditto	14 to 20	,,	...	... ,,	8	8
Ditto	16 to 22	,,	...	... ,,	8	8
Ditto	18 to 24	,,	...	... ,,	9	3
Ditto	20 to 26	,,	...	... ,,	9	3
Ditto	24 to 30	,,	...	... ,,	9	10
Ditto	28 to 34	,,	...	... ,,	10	5
Ditto	30 to 36	,,	...	... ,,	11	0
Ditto	32 to 38	,,	...	... ,,	11	0
Ditto	34 to 40	,,	...	... ,,	11	6
Ditto	36 to 42	,,	...	... ,,	11	6
Ditto	40 to 46	,,	...	... ,,	12	1
Ditto	44 to 50	,,	...	... ,,	12	8
Ditto	48 to 54	,,	...	... ,,	13	3
Ditto	52 to 58	,,	...	... ,,	13	10
Ditto	56 to 62	,,	...	... ,,	14	5
Ditto	60 to 66	,	...	... ,,	15	0
Ditto	66 to 72	,,	...	... ,,	16	1

* **i.e. each Binder can be set to hold 4, 5, 6, 7, 8, 9, or 10 Picas, inside measurement.**

Special Extra Thick and Long Binders are made for Newspapers.

Four Binders are required for making One Set, *i.e.* 2 "A" and 2 "B" Binders. The price is the same for "A" or "B" Binders.

The Type Binders are cut to the Continental Point System Picas and are readily adjustable to any English or Foreign Founder's Type by inserting leads.

For Other Particulars see previous page

Brass Rule Department.

All our Rule is made of the very best quality material and well finished.

PLAIN BRASS RULE.

		£	s.	d.			£	s.	d.
16 in. 8-to-pica ..	per doz.	0	2	0	24 in. 6-to-pica ..	per doz.	0	4	0
16 in. do. ..	per gross	1	2	0	24 in. do. ..	per gross	2	5	0
24 in. do. ..	per doz.	0	2	9	16 in. 4-to-pica ..	per doz.	0	4	0
24 in. do. ..	per gross	1	10	0	16 in. do. ..	per gross	2	0	0
16 in. 6-to-pica ..	per doz.	0	3	0	24 in. do. ..	per doz.	0	5	6
16 in. do. ..	per gross	1	12	0	24 in. do. ..	per gross	3	0	0

Special Quotations for quantities. *Rules cut to any standard.*

WAVED, DOTTED, AND LEADER RULES.

		£	s.	d.			£	s.	d.
16 in. 8-to-pica ..	per doz.	0	3	9	24 in. 6-to-pica ..	per doz.	0	8	0
24 in. do. ..	,,	0	5	3	16 in. 4-to-pica ..	,,	0	6	6
16 in. 6-to-pica ..	,,	0	5	6	24 in. do. ..	,,	0	9	0

BRASS PERFORATING RULE.

				s.	d.
16 in. lengths, 8-to-pica	per length	6d. ..	per doz.	4	6
Do. 6-to-pica	,,	8d. ..	,,	6	9
Do. 4-to-pica	,,	10d. ..	,,	9	0

STEEL PERFORATING RULE.



	s.	d.
16 in. lengths, 6-to-pica, per length 1/3, per doz.	13	6
Do. 4-to-pica, ,, 1/9, ,,	18	0

Rules cut to any sizes at special prices.

BRASS SPACE RULES.

	s.	d.
4-to-pica .. .. per lb.	6	0
6-to-pica .. .. ,,	9	0
8-to-pica .. .. ,,	12	0

BRASS SPACE LINES

For use in place of leads.

			s.	d.
4-to-pica, from 12 ems upwards .. .. per lb.			1	6
6-to-pica, do. do. .. .. ,,			1	7
8-to-pica, do. do. .. .. ,,			1	9
12-to-pica, do. do. .. .. ,,			3	0

All rules cut to London standard unless otherwise ordered.

Can cut to any founder's standard at same price.

SETTING RULES—see page 80

Brass Rule Department—*continued.*

NEWSPAPER RULES.

	s.	d.
Column and Head Rules, Pearl .. ..per lb.	3	6
Do. do. Nonpareil and upwards .. .. ,,	3	0

Cut to any length.

For SPECIMENS OF RULES FOR HEAD RULES *see* page 98.

ADVERTISEMENT RULES.

	Per doz. s. d.	Per doz. Shouldered. s. d.
Single Advertisement Rules, 8-to-pica, 16 ems and under.. ..	0 6 ..	1 0
Do. do. 6-to-pica, do.	0 8 ..	1 2
Do. do. 4-to-pica, do.	0 10 ..	1 4
Do. do. Pearl do.	2 0 ..	2 6
Do. do. Nonpareil do.	2 6 ..	3 0
Cross Rules { Thick & Thin or Double Fine. } 4-to-pica do.	1 4 ..	2 0
3-to-pica do.	2 0 ..	2 6
Pearl do.	2 6 ..	3 0
Nonpareil do.	3 0 ..	3 6
French Dashes, shouldered, Nonpareil, pattern, do.		6 0

For other FRENCH DASHES *see* pages 115 and 116.

THICK AND THIN OR DOUBLE THIN RULE.

	s.	d.		£	s.	d.
6-to-pica, 16 in. .. .. per doz.	5	0	Pearl 24 in. .. per doz.	0	18	0
Do. 24 in. .. .. ,,	8	3	Nonpareil, 16 in. .. ,,	0	15	0
4-to-pica, 16 in. .. .. ,,	7	0	Do. 24 in. .. ,,	1	2	6
Do. 24 in. .. .. ,,	10	6	Brevier 16 in. .. ,,	0	17	0
Pearl 16 in. .. .. ,,	12	0	Do. 24 in. .. ,,	1	5	6

Long Primer and larger bodies at proportionate prices.

	s.	d.
Double Rule, Nonpareil and upwards .. ..per lb.	3	6
Treble Rule, Do. do .. .. ,,	3	6

Mitreing for borders from 6d. per page extra.

MITRED BRASS BORDERS for Almanacks, Railway Time Tables, Labels, &c., &c.

NEWS HEADINGS CUT TO ORDER.

BRASS CIRCLES AND OVALS, *see* pages 118 to 124.

ZINC RULES, *see* pages 110 to 112.

METAL RULES, *see* page 109.

LABOUR-SAVING RULES, *see* pages 103 to 105.

Rule Department—*continued.*

Improved Brass Rule Case, No. 1.

Best Spring Brass Rule. **Eight-to-Pica Body.**

7	8	19	20	31	32	43	
6	9	18	21	30	33	42	
5	10	17	22	29	34	41	
4	11	16	23	28	35	40	
3	12	15	24	27	36	39	
2	13	14	25	26	37	38	
Lengths of Rule.							

No. **1** Case, containing 1 doz. each pieces 8-to-Pica Rule, 2 to 43 ems, rising by ems, numbered, and 1 doz. full 24 in. lengths £1 16 0

No. **1a** ditto, containing 2 doz. lengths each 8-to-Pica Rule, from 2 to 43 ems, rising by an em, numbered, and 2 doz. full lengths, 24 in. £3 5 0

Improved Brass Rule Case, No. 2.

Best Spring Brass Rule. **Eight-to-Pica Body.**

2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	12½			
36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
Lengths of Rule.																								

No. **2** Case, fitted with 8-to-Pica Rule, consisting of 2 doz. lengths each, from 2 ems to 25 ems, advancing every en up to 12½ ems, 1 doz. lengths each, from 26 ems to 60 ems, numbered, and 1 doz. full lengths £4 0 0

No. **2b** Case, fitted with 8-to-Pica Rule, consisting of 4 doz. lengths each, from 2 ems to 25 ems, advancing every en up to 12½ ems, 2 doz. lengths each, from 26 ems to 60 ems, numbered, and 1 doz. full lengths £8 0 0

Six-to-Pica or Four-to-Pica Rule can be supplied for Cases at a proportionate advance in Price. The above Cases are made the same length as the ordinary Cases.

MITRED BRASS BORDERS, for Almanacks, Railway Time Tables, Labels, &c., &c., supplied to order. Estimates forwarded.

BRASS FANCY DASHES on Pearl body, for Jobbing Work, **4/6** per doz.

Rules cut to any Founder's Measure, or on the Point System.

Rule Department—*continued.*

SPECIMENS BRASS RULE.

PLAIN AND ORNAMENTAL.

All our Brass Rule is of the best material and finished by the most modern machinery.

ALL RULES can be supplied on the Point System if desired.

Prices given are for 16 in. lengths, except where otherwise specified. Longer lengths can be supplied at proportionate prices.

1	8 to Pica, Single Medium	2/6 per doz.
2	8 to Pica, 12 to Pica face	2/6 per doz.
3	4 to Pica	7d. or 6/9 per doz.
4	3 to Pica	11d.
5	4 to Pica	7d.
6	4 to Pica	7d.
7	4 to Pica	7d.
8	Pearl	1/-
9	Nonpareil	1/2
10	Nonpareil	1/2
11	Nonpareil	1/2
12	Nonpareil	1/2
13	Brevier	1/6
14	Brevier	1/6
15	Long Primer	2/-
16	Cheque Rule, 2 line Pica	5/3
17	3 to Pica	11d.
18	Nonpareil	1/2
19	Nonpareil	1/2
20	Pearl	1/-
21	Pearl	1/-
22	Nonpareil	1/2
23	Nonpareil	1/2
24	Nonpareil	1/2
25	Brevier	1/6
26	Brevier	1/6
27	Brevier	1/6
28	Brevier	1/6
29	Long Primer	2/-
30	Long Primer	2/-
31	Pica	2/4
32	Great Primer	3/6
33	Nonpareil	1/2
34	Nonpareil	1/2
35	Brevier	1/6
36	Long Primer	2/-
37	Pica	2/4
38	Great Primer	3/6

NOTE.—All Combination Rules are indicated by letter C. These rules used in combination are capable of forming many beautiful designs for borders, &c.

Rule Department—*continued.*

Prices given are for 16 in. lengths, except where otherwise specified. Longer lengths can be supplied at proportionate prices.

39		8 to Pica	4d.
40		8 to Pica	4d.
41		8 to Pica	4d.
42		8 to Pica	4d.
43		8 to Pica	4d.
44		8 to Pica	4d.
45		8 to Pica	4d.
46		8 to Pica	4d.
47		8 to Pica	4d.
48		8 to Pica	4d.
49		8 to Pica	4d.
50		8 to Pica	5d.
51		8 to Pica	5d.
52		8 to Pica	4d.
53		8 to Pica	5d.
54		8 to Pica	6d.
55		8 to Pica	6d.
56		4 to Pica	1/2
57		4 to Pica	1/2
58		8 to Pica	C 5d.
59		4 to Pica	C 1/2
60		4 to Pica	C 1/2
61		4 to Pica	C 1/2
62		8 to Pica	5d.
63		8 to Pica	5d.
64		8 to Pica	5d.
65		8 to Pica	5d.
66		4 to Pica	C 1/2
67		8 to Pica	5d.
68		4 to Pica	1/2
69		Nonpareil	C 1/10
70		4 to Pica	C 1/2
71		4 to Pica	C 1/2
72		8 to Pica	5d.
73		6 to Pica	6d.
74		8 to Pica	5d.
75		8 to Pica	5d.
76		Pearl	1/9
77		6 to Pica	6d.
78		4 to Pica	8d.
79		6 to Pica	6d.
80		4 to Pica	C 1/2
81		4 to Pica	C 1/2
82		8 to Pica	5d.
83		3 to Pica	C 1/6
84		4 to Pica	8d.
85		4 to Pica	8d.
86		4 to Pica	C 1/2
87		8 to Pica	6d.
88		4 to Pica	8d.
89		4 to Pica	8d.
90		4 to Pica	8d.
91		4 to Pica	8d.
92		4 to Pica	8d.
93		8 to Pica	5d.
94		4 to Pica	8d.
95		4 to Pica	8d.
96		4 to Pica	8d.
97		Pearl	1/9
98		Pearl	C 1/9
99		4 to Pica	C 1/2

NOTE—All Combination Rules are indicated by letter C.

Rule Department—*continued.*

Prices given are for 16 in. lengths, except where otherwise specified. Longer lengths can be supplied at proportionate prices.

100 Nonpareil C 2/-

101 8 to Pica C 10d.

102 8 to Pica C 6d.

103 8 to Pica C 6d.

104 4 to Pica C 1/2

105 4 to Pica C 1/2

106 4 to Pica C 1/2

107 4 to Pica C 1/2

108 6 to Pica C 8d.

109 4 to Pica C 1/2

110 4 to Pica C 9d.

111 4 to Pica C 9d.

112 4 to Pica C 1/3

113 4 to Pica C 1/3

114 4 to Pica C 9d.

115 Nonpareil C 1/10

116 Nonpareil C 1/10

117 Nonpareil C 2/9

118 Nonpareil C 2/9

119 Nonpareil C 2/9

120 Nonpareil C 1/10

121 Nonpareil C 1/10

122 Nonpareil C 1/11

123 4 to Pica C 9d.

124 4 to Pica C 9d.

125 4 to Pica C 1/-

126 4 to Pica C 1/-

127 4 to Pica C 1/-

128 4 to Pica C 1/-

129 4 to Pica C 1/-

130 4 to Pica C 1/-

131 4 to Pica C 1/-

132 4 to Pica C 1/-

133 4 to Pica C 1/-

134 4 to Pica C 1/-

135 8 to Pica C 9d.

136 6 to Pica C 9d.

137 4 to Pica C 9d.

138 4 to Pica C 9d.

139 4 to Pica C 9d.

140 4 to Pica C 9d.

141 4 to Pica C 9d.

142 4 to Pica C 1/2

143 4 to Pica C 1/2

144 Nonpareil C 2/8

145 Nonpareil C 1/11

146 Nonpareil C 1/11

147 4 to Pica C 9d.

148 4 to Pica C 9d.

149 4 to Pica C 1/2

150 4 to Pica C 9d.

151 4 to Pica C 9d.

152 4 to Pica C 1/2

153 4 to Pica C 1/2

NOTE—All Combination Rules are indicated by letter C.

Rule Department—*continued.*

Prices given are for 16 in. lengths, except where otherwise specified. Longer lengths can be supplied at proportionate prices.

154	4 to Pica	C	1/2
155	4 to Pica	C	1/2
156	4 to Pica	C	9d.
157	4 to Pica	C	9d.
158	6 to Pica	C	8d.
159	8 to Pica	C	6d.
160	8 to Pica	C	6d.
161	8 to Pica	C	6d.
162	4 to Pica	C	9d.
163	4 to Pica	C	9d.
164	4 to Pica	C	9d.
165	4 to Pica	C	9d.
166	4 to Pica	C	1/2
167	4 to Pica	C	1/2
168	4 to Pica	C	1/2
169	4 to Pica	C	9d.
170	4 to Pica	C	9d.
171	4 to Pica	C	9d.
172	4 to Pica	C	9d.
173	4 to Pica	C	9d.
175	4 to Pica	C	9d.
176	4 to Pica	C	9d.
177	4 to Pica	C	9d.
178	4 to Pica	C	9d.
179	4 to Pica	C	9d.
180	4 to Pica	C	9d.
181	4 to Pica	C	9d.
182	Nonpareil	C	1/11
183	4 to Pica	C	9d.
184	Pearl	C	1/9
185	Pearl	C	1/6
186	Pearl	C	1/6
187	4 to Pica	C	9d.
188	4 to Pica	C	9d.
189	Pearl	C	1/6
190	Pearl	C	1/6
191	Nonpareil	C	1/11
192	Nonpareil	C	1/11
193	Pearl	C	1/6
194	4 to Pica	C	9d.
195	Nonpareil	C	1/6
196	Nonpareil	C	1/6
197	Nonpareil	C	1/6
198	Nonpareil	C	1/11
199	4 to Pica	C	1/-
200	4 to Pica	C	1/-
201	4 to Pica	C	1/-
202	Pearl	C	1/6
203	Pearl	C	1/6
204	Pearl	C	1/6
205	Pearl	C	1/6
206	Pearl	C	1/6
207	Nonpareil	C	1/8
208	Nonpareil	C	1/8
209	Nonpareil	C	1/8
210	Pearl	C	1/6
211	Pearl	C	1/6

NOTE—All Combination Rules are indicated by letter C.

Rule Department—*continued.*

Prices given are for 16 in. lengths, except where otherwise specified. Longer lengths can be supplied at proportionate prices.

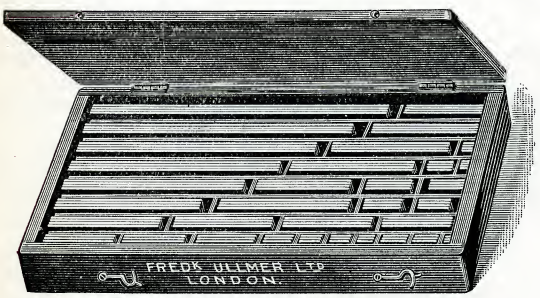
212	Pearl	C 1/6
213	Pearl	C 1/6
214	Pearl	C 1/6
215	Pearl	C 1/6
216	Pearl	C 1/6
217	Pearl	C 1/6
218	Pearl	C 1/6
219	Pearl	C 1/6
220	Pearl	C 1/6
221	Pearl	C 1/6
222	Pearl	C 1/6
223	Nonpareil	C 1/8
224	Nonpareil	C 1/8
225	Nonpareil	C 1/8
226	Brevier	C 2/3
227	Brevier	C 2/3
228	Pica	C 2/9

NOTE—All Combination Rules are indicated by letter C.

Useful Sets 8-to-pica Brass Rule.

Time-Saving Rules.

SET OF 8-TO-PICA PLAIN RULE.



No. 1. The above contains 27 pieces each 8-to-pica spring brass rule, accurately cut to measure, and numbered 1, 1½, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 24, 30, 35, 40, 45, and 50 ems, in polished mahogany box.

£1 15 0

No. 2. Containing 15 pieces each as above.

£1 2 6

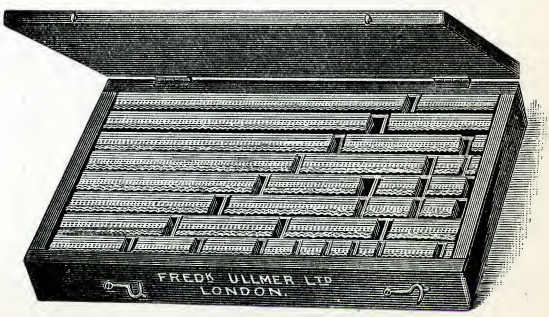
SET OF 8-TO-PICA PLAIN, DOTTED AND WAVED RULES.

No. 1. The above contains 15 pieces each plain best spring brass rule, and 6 pieces each of dotted and waved rule, accurately cut to measure, and numbered 1, 1½, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 24, 30, 35, 40, 45, and 50 ems, in polished mahogany box.

£2 5 0

No. 2. Containing 7 pieces each as above in box complete.

£1 4 6

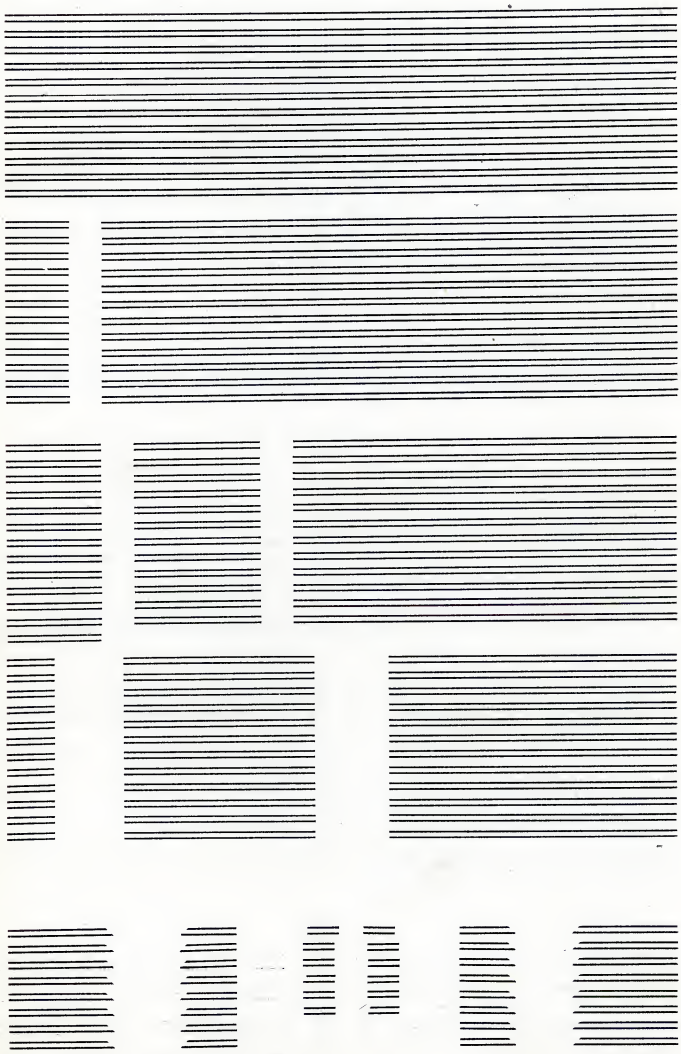


Brass Rule Department—*continued.*

Four=to=Pica Double Rule.

LABOUR=SAVING FOUNT, No. 1.

IN BOX COMPLETE. 14/-



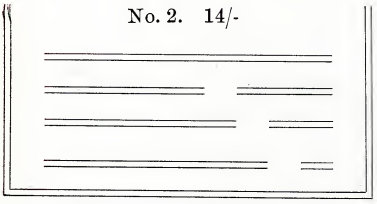
Brass Rule Department—*continued.*

Brass Rule.

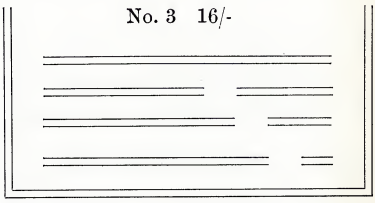
In Labour-Saving Founts, six pieces each length, as page 103.

COMPLETE IN BOX.

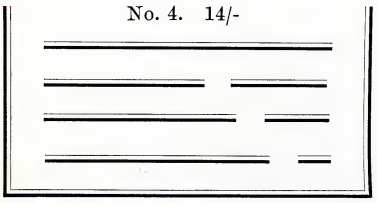
No. 2. 14/-



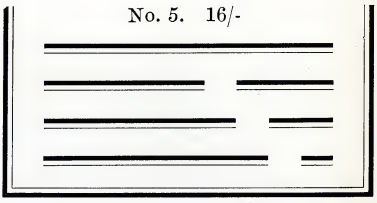
No. 3 16/-



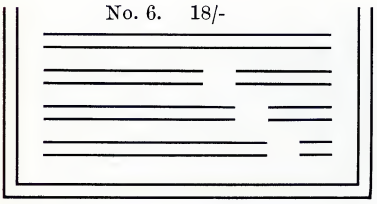
No. 4. 14/-



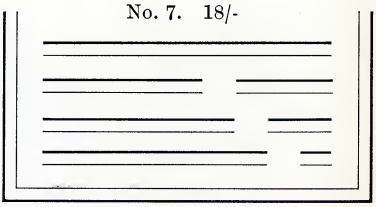
No. 5. 16/-



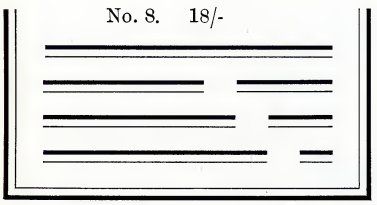
No. 6. 18/-



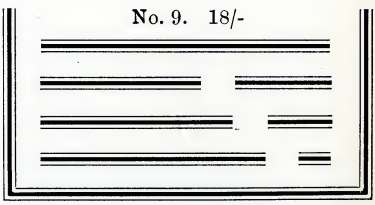
No. 7. 18/-



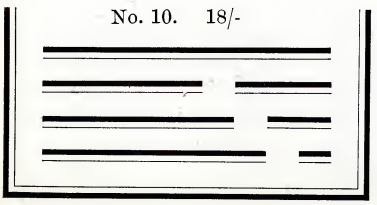
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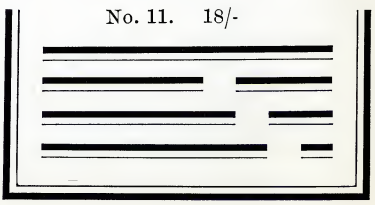
No. 9. 18/-



No. 10. 18/-



No. 11. 18/-



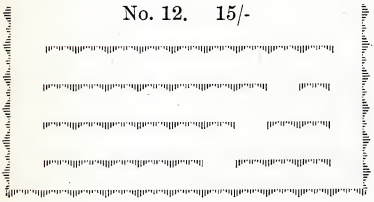
Brass Rule Department—*continued.*

Fancy Brass Rule.

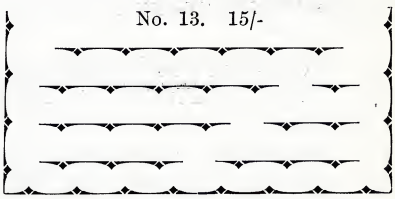
In Labour-Saving Founts, six pieces each length, as page 103.

IN MAHOGANY BOX.

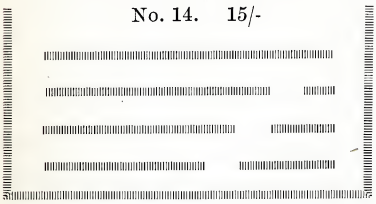
No. 12. 15/-



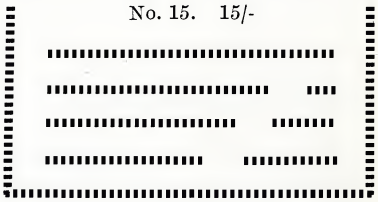
No. 13. 15/-



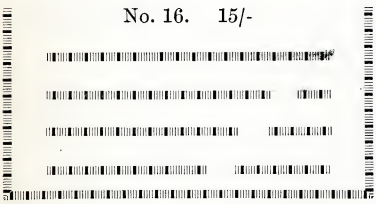
No. 14. 15/-



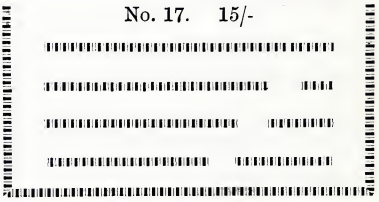
No. 15. 15/-



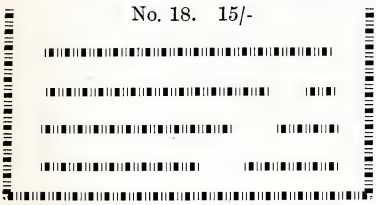
No. 16. 15/-



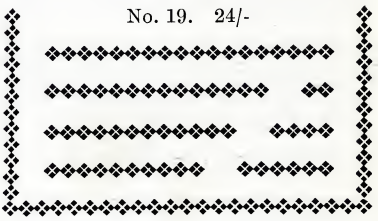
No. 17. 15/-



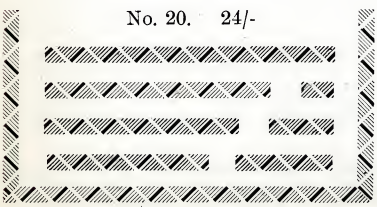
No. 18. 15/-



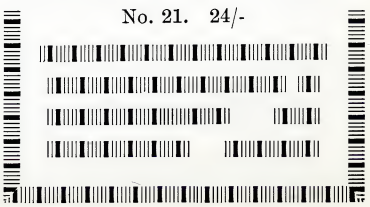
No. 19. 24/-



No. 20. 24/-



No. 21. 24/-

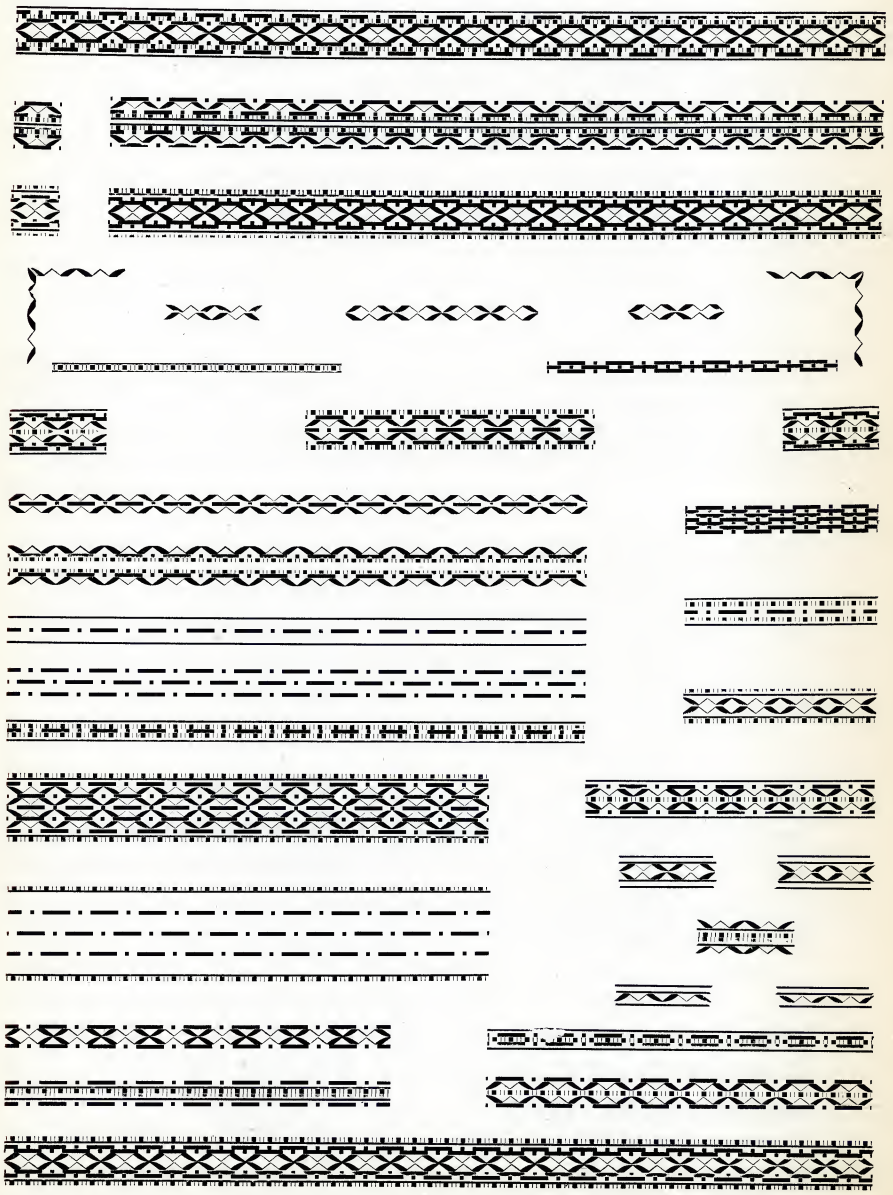


Brass Rule Department—*continued.*

New Combination Brass Rules.

BOX **A.** PRICE: **£1 5 0** NET.

Containing 20 pieces of rule each: 27, 24, 18, 25, 12, 9, 6, 3, and 1½ ems (180 pieces in all), and four sets mitred pieces for corners, complete in mahogany box.

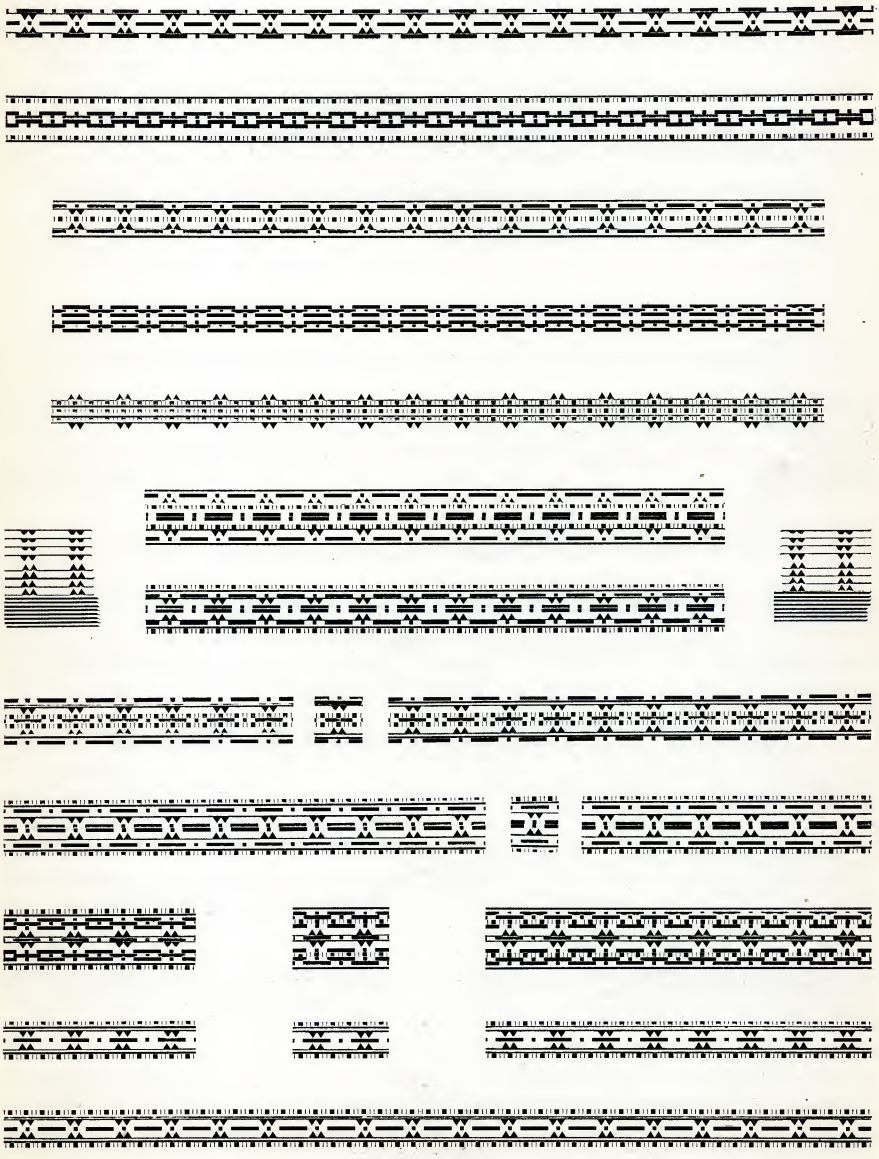


Brass Rule Department—*continued.*

New Combination Brass Rules.

BOX **B.** PRICE: **£1 5s.** NET.

Containing 20 pieces of rule each: 27, 24, 18, 15, 12, 9, 6, 3, and 1½ ems (180 pieces in all), and four sets mitred pieces for corners, complete in mahogany box.

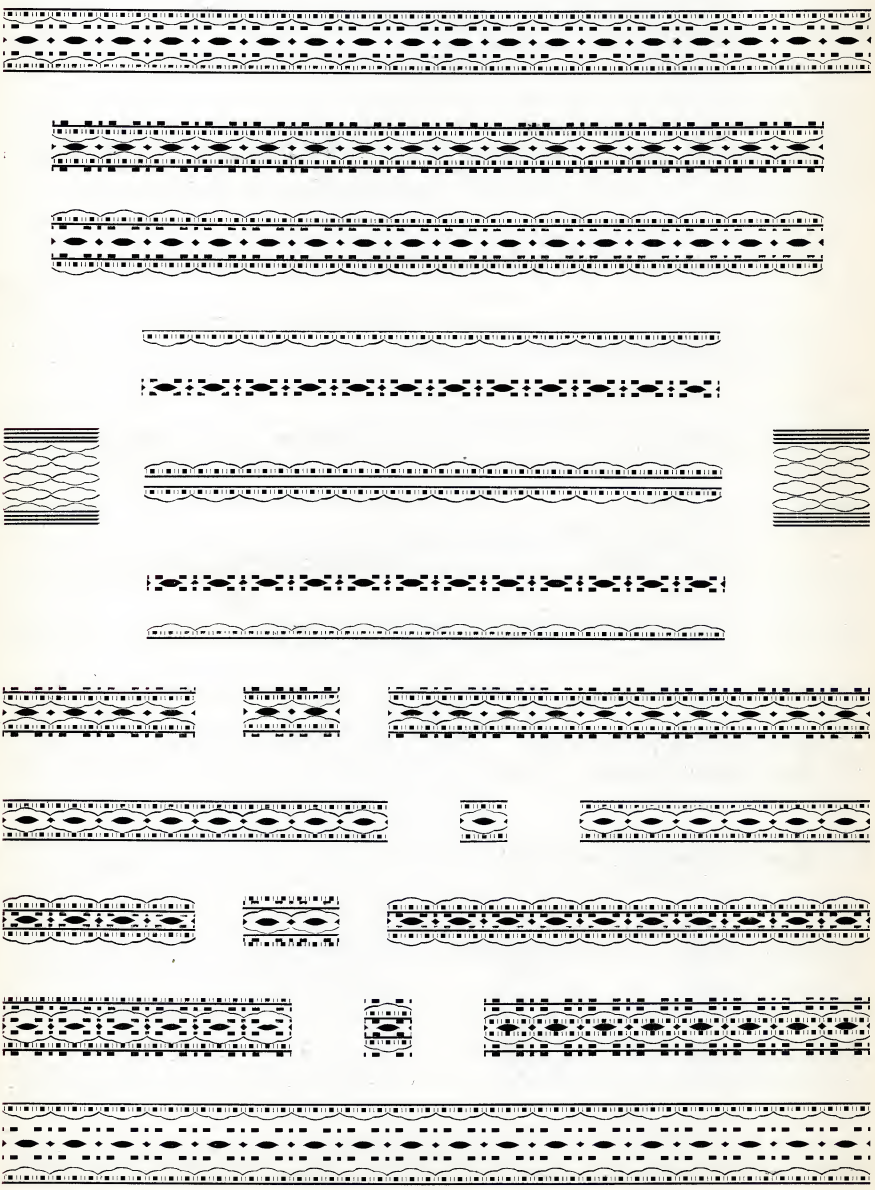


Brass Rule Department—*continued.*

New Combination Brass Rule.

Box **C.** Price: **£1 5s.** net.

Containing 18 pieces of rule each: 27, 24, 18, 15, 12, 9, 6, 3, and 1½ ems (162 pieces in all), and four sets mitred pieces for corners, complete in mahogany box.



Rule Department—*continued.*

Metal Rules.

In Yard Lengths. Those marked B, 1/8 per lb., others 1/4 per lb.

Metal Rule Borders Mitred at from 4d. per Border.

3.

4.

6.

8.

9.

13.

14.

190.

18.



16.

21.

22.

28.

40.



46.



186.



111.



123.



125.



62.

64.



66.



67.



68.



B 23.



B 22.



B 15.



B 13.



B 12.



B 4.



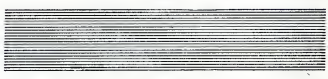
B 3.



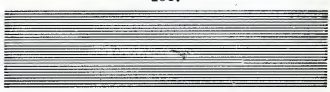
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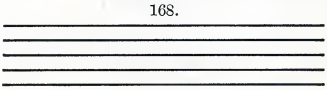
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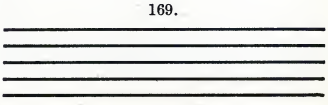
158.



168.



169.



Improved Mitreing Machine for Brass or Metal Rule ... £1 5s.

The Standard Barrock Rule.

ZINC AND BRASS. **Sold either in lengths or per fount, as marked.**

A fount comprises 4 pieces of Rule, each 36, 30, 24, 18, 12, 9, 6, 4, 3, and 2 ems, with 8 pairs of mitred ends.
Prices of Corners are for 8 mitres. All Zinc Patterns can be supplied in Brass, at 33⅓ per cent. extra.

No. 705b. 4 point, 3-to-pica. Brass Rule, per 16 in. length, **1/3**; per fount, **12/6**. Zinc Rule, 24 in. length, **1/4**.

No. 703. 6 point, Nonpareil. Zinc Rule, per 24 in. length, **1/8**; per fount, **12/6**.

No. 702. 10 point, Long Primer. Zinc Rule, per 24 in. length, **2/3**; per fount, **16/6**.

No. 701. 12 point, Pica. Zinc Rule, per 24 in. length, **2/8**; per fount, **18/6**.

No. 700. 17 point, Great Primer. Zinc Rule, per 24 in. length, **3/2**; per fount, **20/6**.

No. 704b. 6 point, Nonpareil. Brass Rule, per 16 in. length, **1/6**; per fount, **15/-**

No. 714. 3 point, 4-to-Pica. Zinc Rule, per 24 in. length, **10**d.; per fount, **8/-**

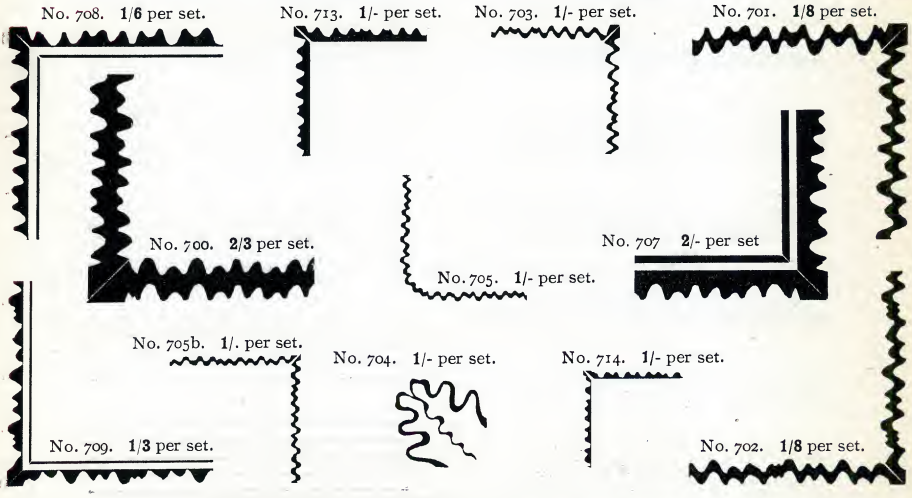
No. 713. 6 point, Nonpareil. Zinc Rule, per 24 in. length, **1/3**; per fount, **10/6**.

No. 709. 10 point, Long Primer. Zinc Rule, per 24 in. length, **1/10**; per fount, **14/-**

No. 708. 12 Point, Pica. Zinc Rule, per 24 in. length, **2/3**; per fount, **16/6**.

No. 707. 17 point, Great Primer. Zinc Rule, per 24 in. length, **2/8**; Per fount, **20/-**

No. 705b. 3 point, 4-to-Pica. Brass Rule, per 16 in. length, **1/-**; per fount, **10/6**.



PRICE FOR CUTTING.—Per dozen pieces.

3 and 4 point .... **6d.** 6 point ... **7d.** 10 point ... **8d.** 12, 17, and 18 point ... **9d.**

Rule Department—*continued.*

Zinc Rules.

These Rules are made in lengths of 24 and 36 inches. They can be Cut to any length. Cutting charged Extra.

USEFUL FOR POSTER WORK.

No. 1	4-to-Pica.	24 in., **8**d. per length.
No. 2	Pearl.	24 in., **10**d. per length.
No. 3	Nonpareil.	24 in., **1**/- per length.
No. 4	Long Primer.	24 in., **1**/**3** per length.
No. 5	Pica.	24 in., **1**/**6** per length.
No. 6	Great Primer.	24 in., **2**/- per length.
No. 7	Nonpareil.	24 in., **1**/- per length.
No. 8	Long Primer.	24 in., **1**/**3** per length.
No. 9	Pica.	24 in., **1**/**6** per length.
No. 10	Great Primer.	24 in., **2**/- per length.

Complete Specimen Book of Zinc Rule, Plain and Ornamental, on application.

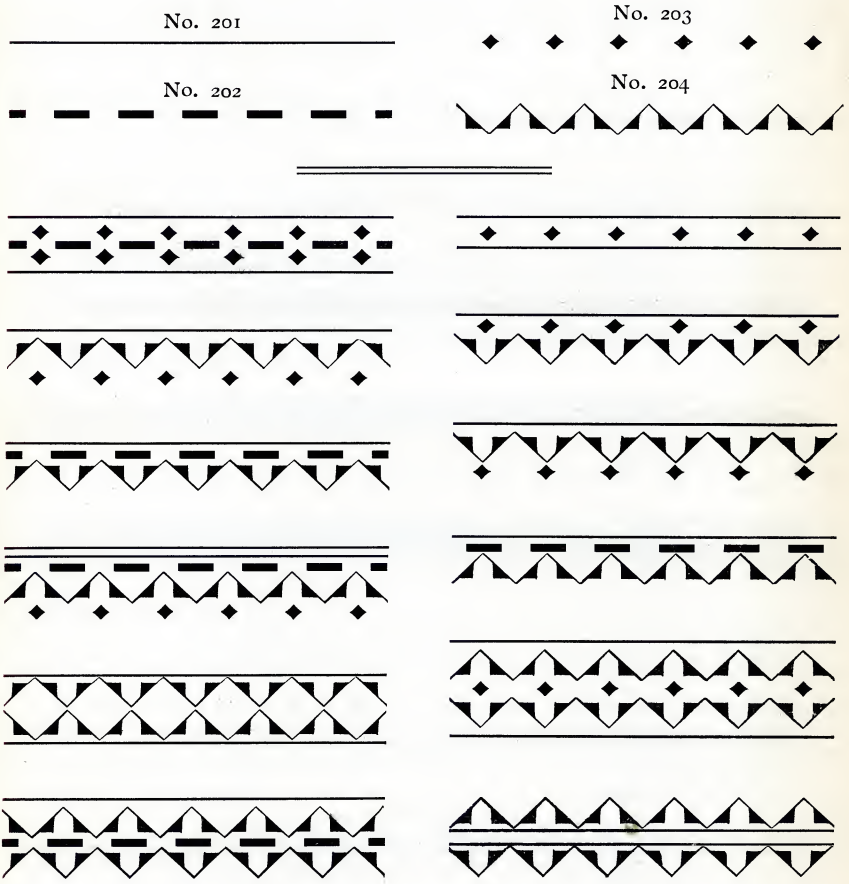
Rule Department—*continued.*

Zinc Combination Rules.

SET NO. **H1.** PRICE: **£3 5s.**

THIS Combination of Rules will be found exceptionally useful for many classes of work, and is capable of extensive variation for effect. The Set consists of 132 inches of each of four rules, or sufficient to make 66 inches of any pattern requiring two pieces of each kind. It is supplied in pieces from 3 to 30 ems long (256 pieces in all), and can therefore be used for Borders of any size from a Small Card to a Demy.

A supply of suitable Corners sent with each Set. Complete in Mahogany Box.



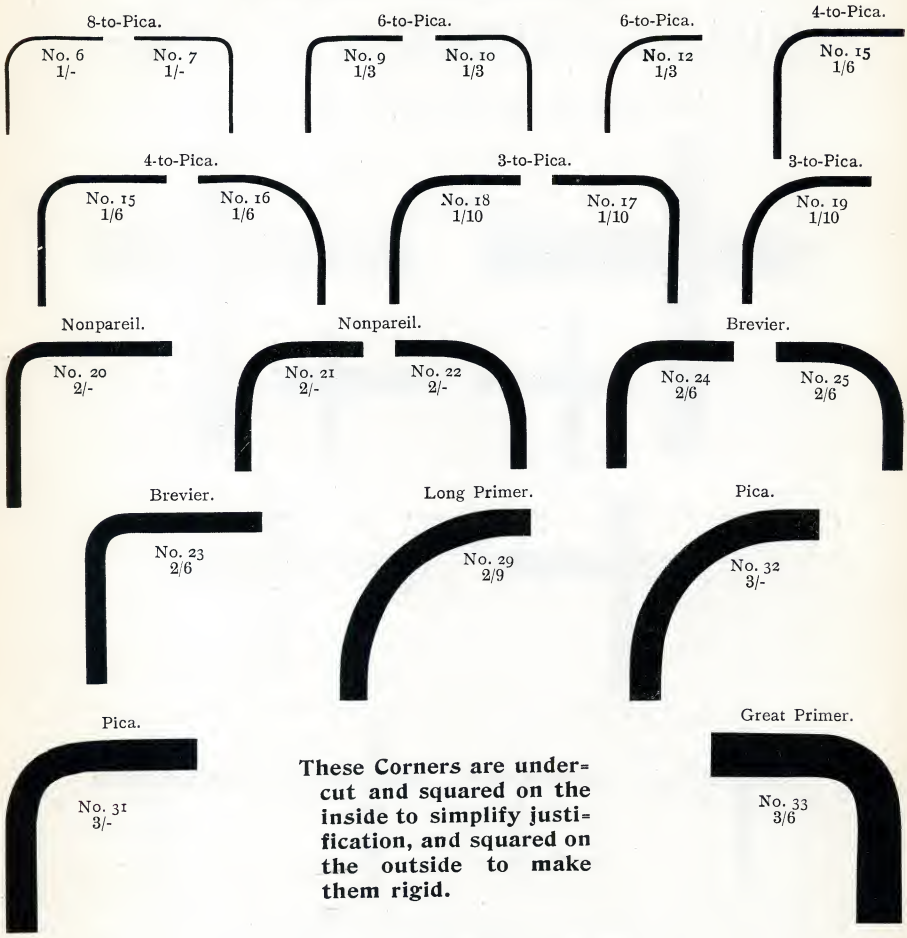
Brass Combination Rule.

Set No. H1.—A Set of half the above quantities, for fine work, in Brass instead of Zinc, complete in case, with corners.

PRICE .. **£2 15 0**

New Series of Curved Brass Corners.

Prices marked are per Set of Four Corners.



These Corners are undercut and squared on the inside to simplify justification, and squared on the outside to make them rigid.

PRICES OF SETS OF BRASS RULES

(In Polished Mahogany Boxes)

TO WORK WITH ABOVE CORNERS.

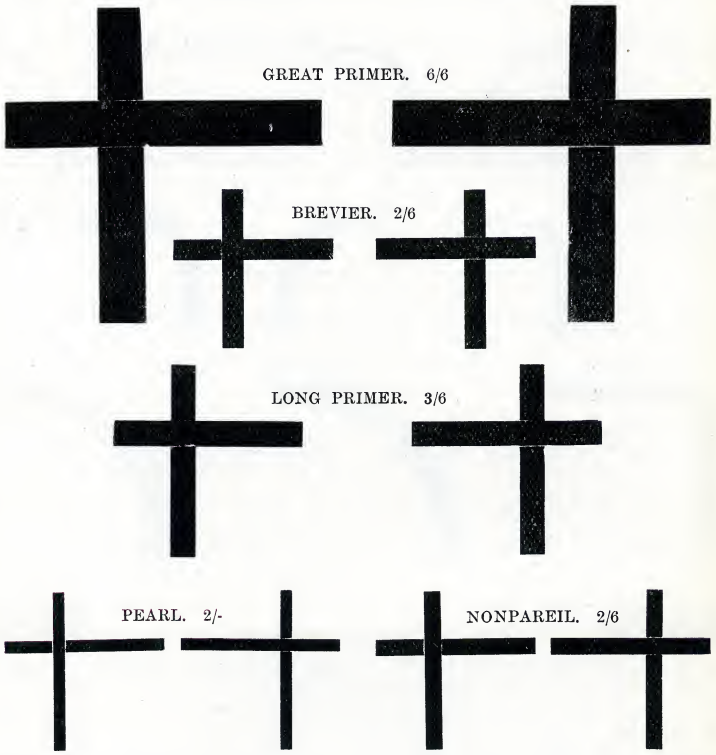
Single Set contains 4 pieces each 21, 18, 12, 9, 6, 4½, 4, 3, 2½ 2, 1½ and 1 em.

Size.	Price. Single Set.	Price. Double Set.	Size.	Price. Single Set.	Price. Double Set.
	s. d.	s. d.		s. d.	s. d.
Great Primer	14 6	27 0	3-to-pica	6 6	10 6
Pica	12 0	22 6	4-to-pica	4 9	7 6
Long Primer	10 0	17 6	6-to-pica	4 3	6 6
Brevier	9 0	15 9	8-to-pica	3 9	5 9
Nonpareil	7 6	12 9			

Rule Department—*continued.*

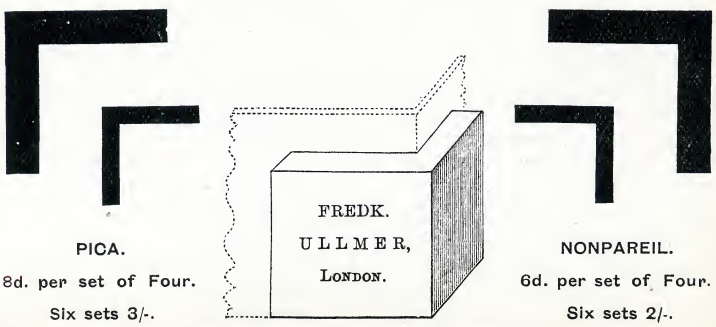
BRASS OXFORD CORNERS.

The Prices are for the Set of Four Corners.



METAL CORNER BINDERS.

These are very useful in Mitred Rule work, making it easy to obtain a perfect join at the corners; especially if used both inside and out. They are cast the same height as quads.



PICA.
8d. per set of Four.
Six sets 3/-.

NONPAREIL.
6d. per set of Four.
Six sets 2/-.

Rule Department—*continued.*

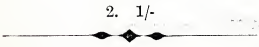
Brass Dashes.

PRICES ARE FOR ONE ONLY.

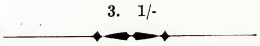
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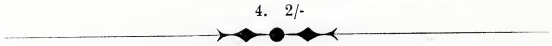
2. 1/-



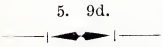
3. 1/-



4. 2/-



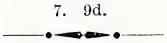
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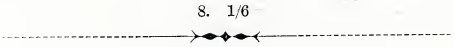
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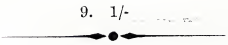
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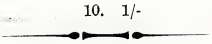
8. 1/6



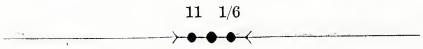
9. 1/-



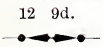
10. 1/-



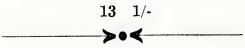
11 1/6



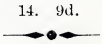
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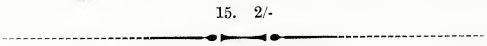
13 1/-



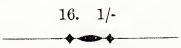
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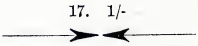
15. 2/-



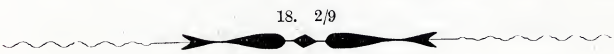
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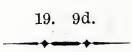
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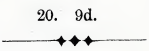
18. 2/9



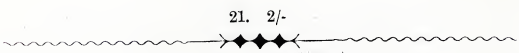
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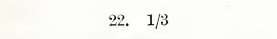
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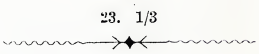
21. 2/-



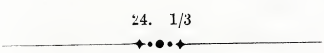
22. 1/3



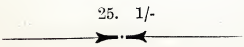
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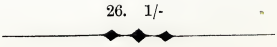
24. 1/3



25. 1/-

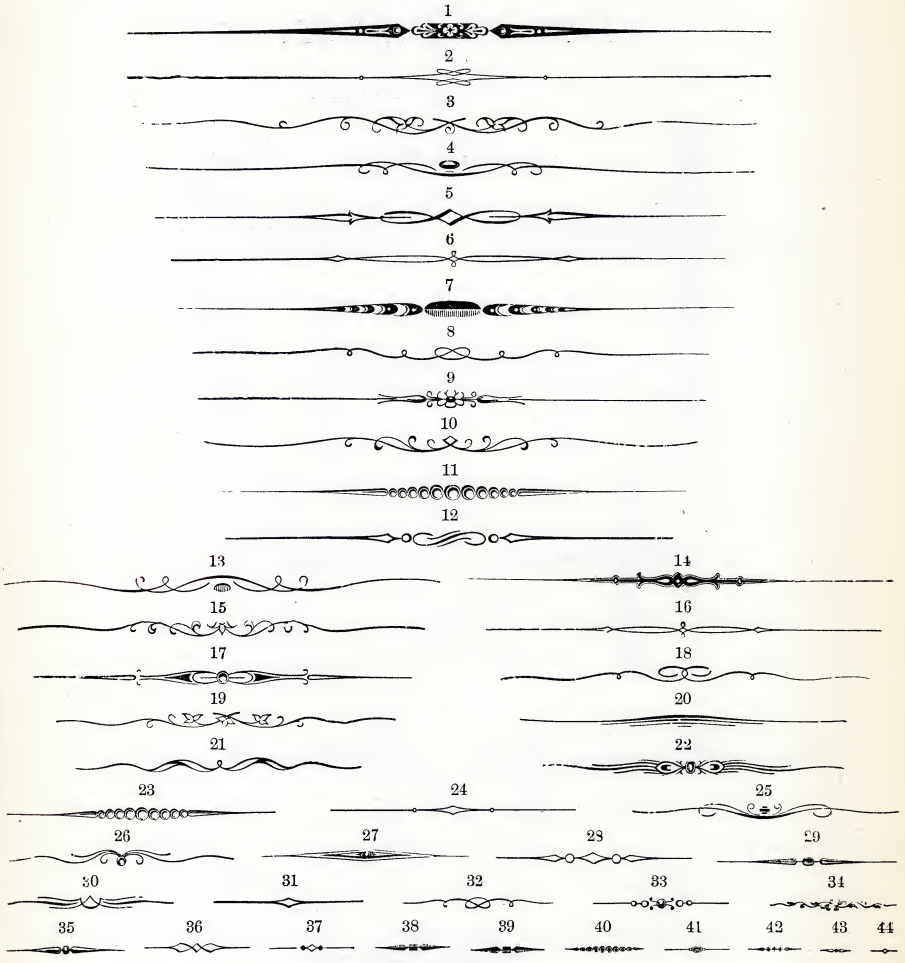


26. 1/-



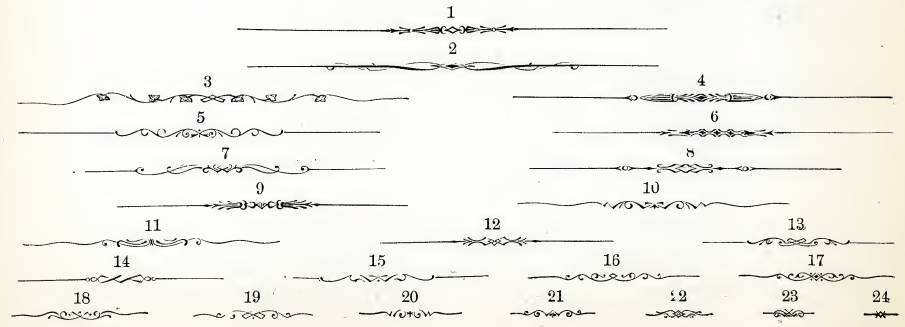
ORNAMENTED DASHES.

Nos. 1 to 7, **6d.** each ; 8 to 16. **4d.** each ; 17 to 23, **3d.** each ; 24 to 44, **2d.** each.
Sold in complete sets at **8/6,** or weighed, at **4/-** per lb.



NONPAREIL ORNAMENTAL RULES.

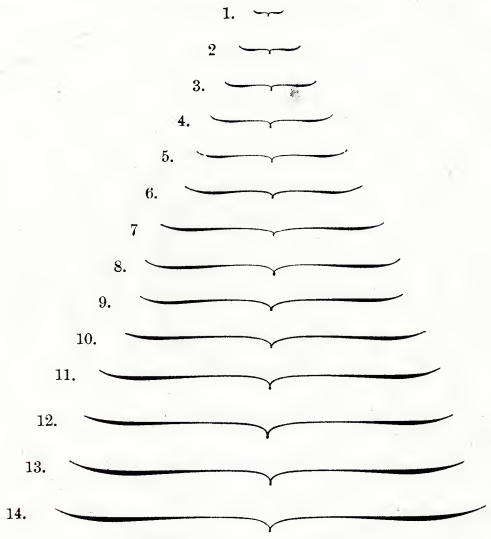
4/6 PER SET. **6/-** PER LB.



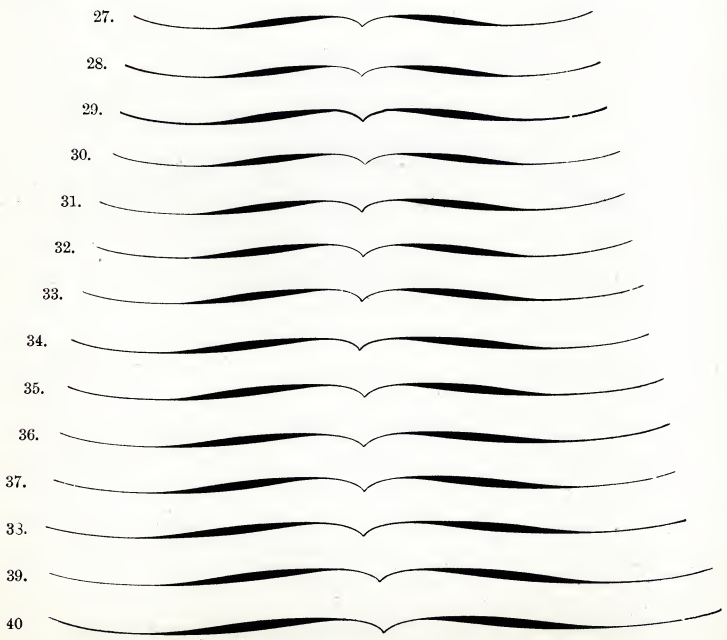
Wide Metal Braces.

COMPLETE SET AS SHOWN, 8/6.

Braces on Nonpareil body, as Nos. 1 to 10, may also be had to Brevier, Bourgeois, Long Primer, or Small Pica ems, at 2/7 per lb., and on Long Primer body from Nos. 11 to 14.

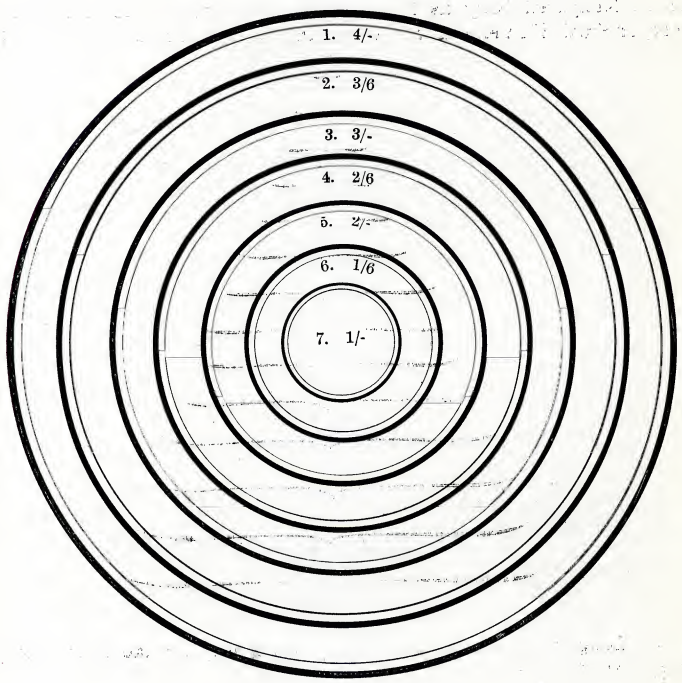


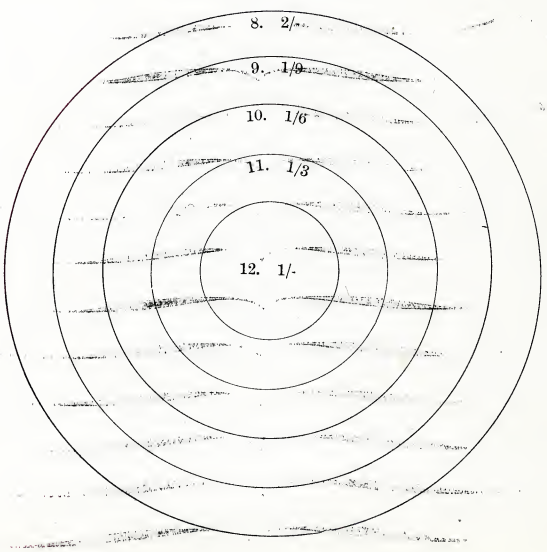
Braces on Long Primer body, as Nos. 27 to 40, may be had from 1 to 35 ems Long Primer, at 5/- per lb.



Rule Department—*continued.*

Brass Circles.

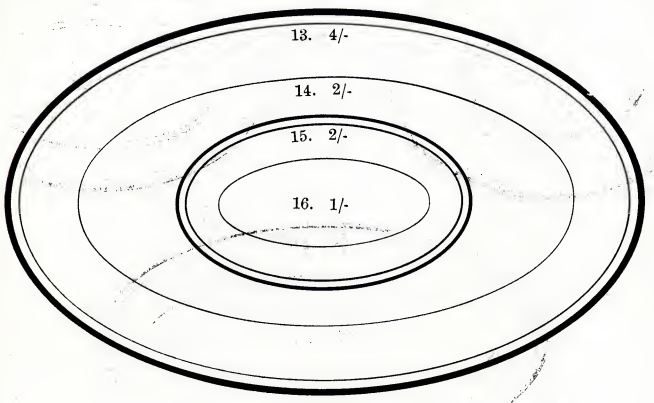


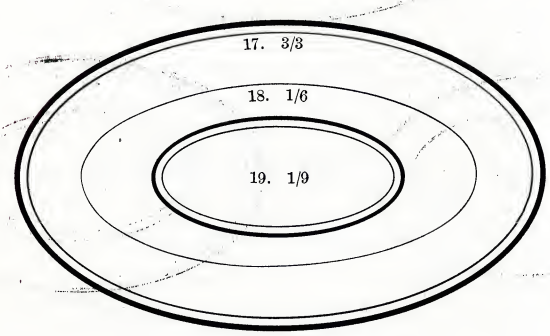


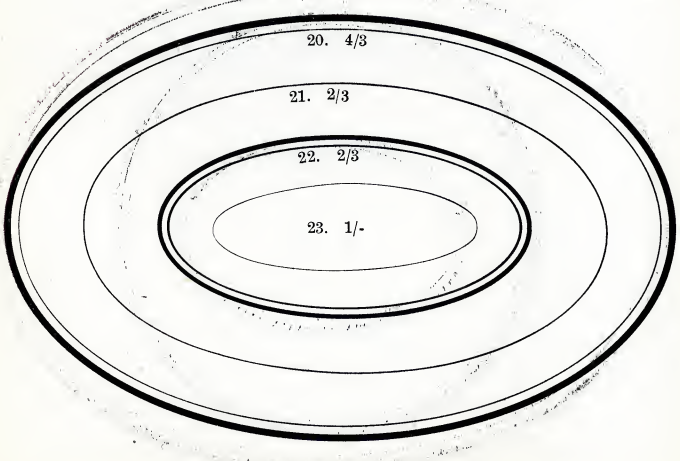
Circles on Square Bodies from 9d. each extra.

Rule Department—*continued.*

Brass Ovals.



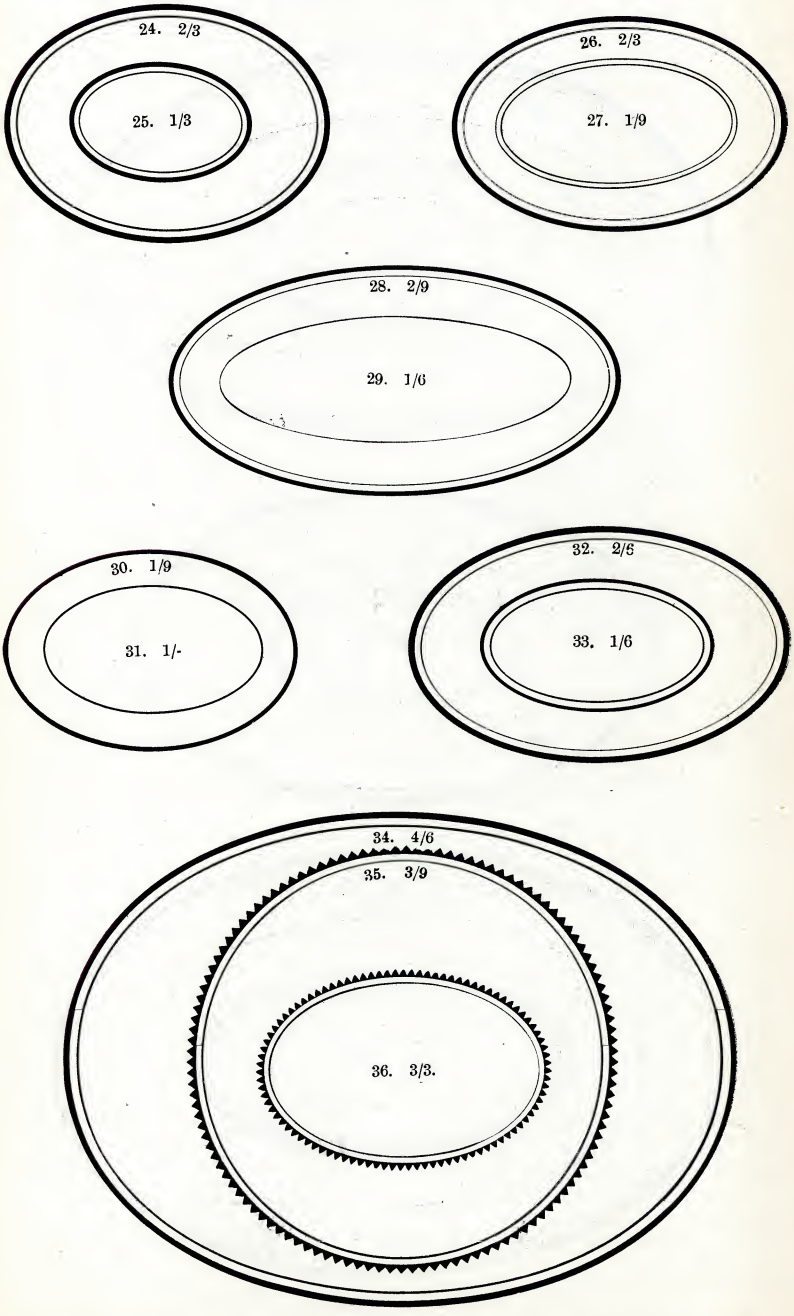




Ovals on Square Bodies from 9d. each extra.

Rule Department—*continued.*

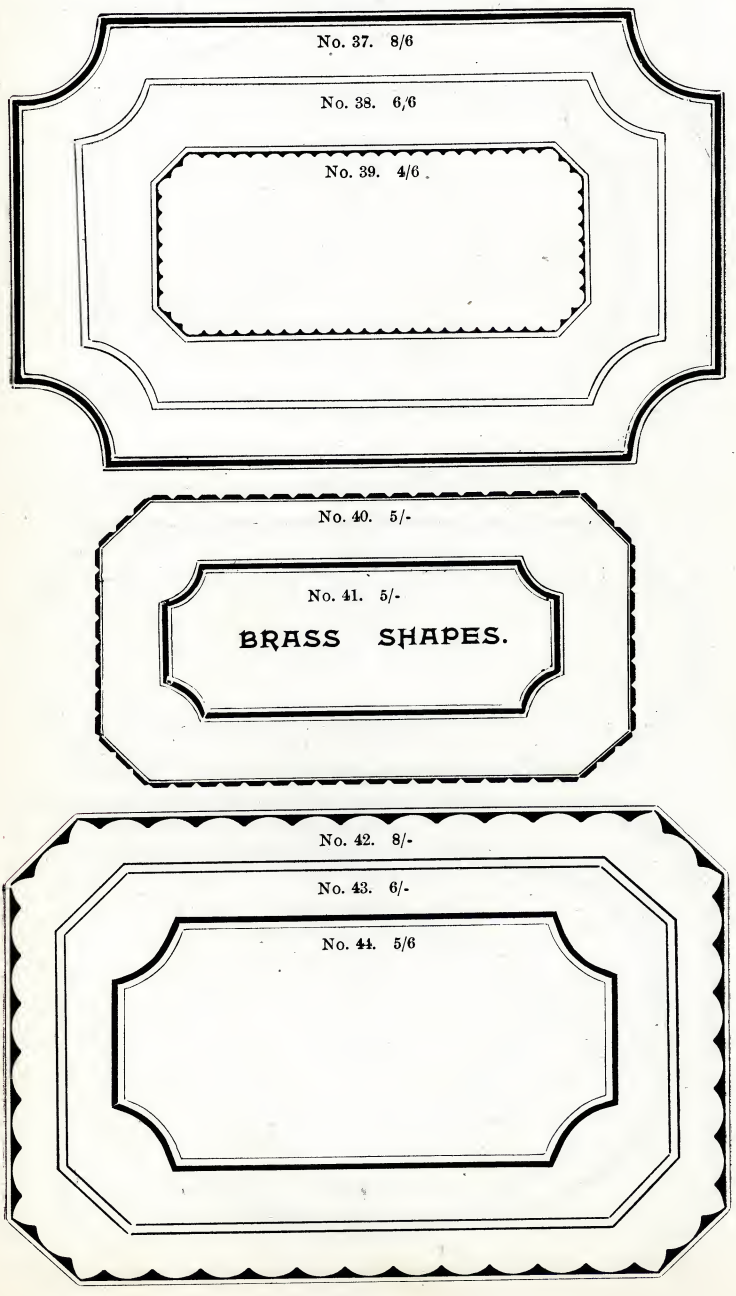
Brass Ovals and Circles.



Circles and Ovals on Square Bodies from 9d. each extra.

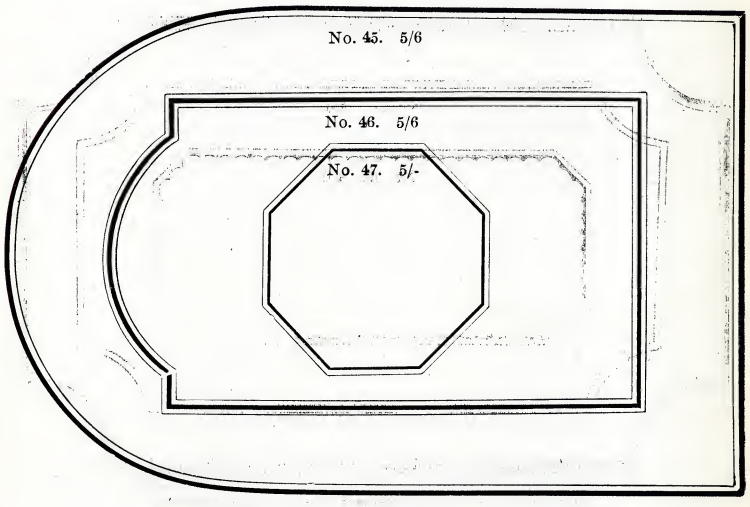
Rule Department—*continued.*

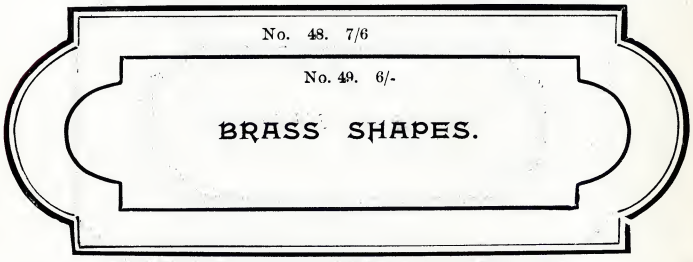
Brass Shapes.

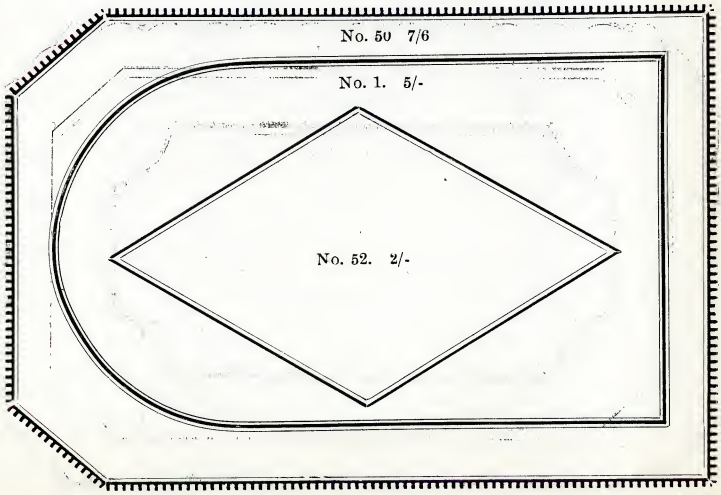


Rule Department—*continued.*

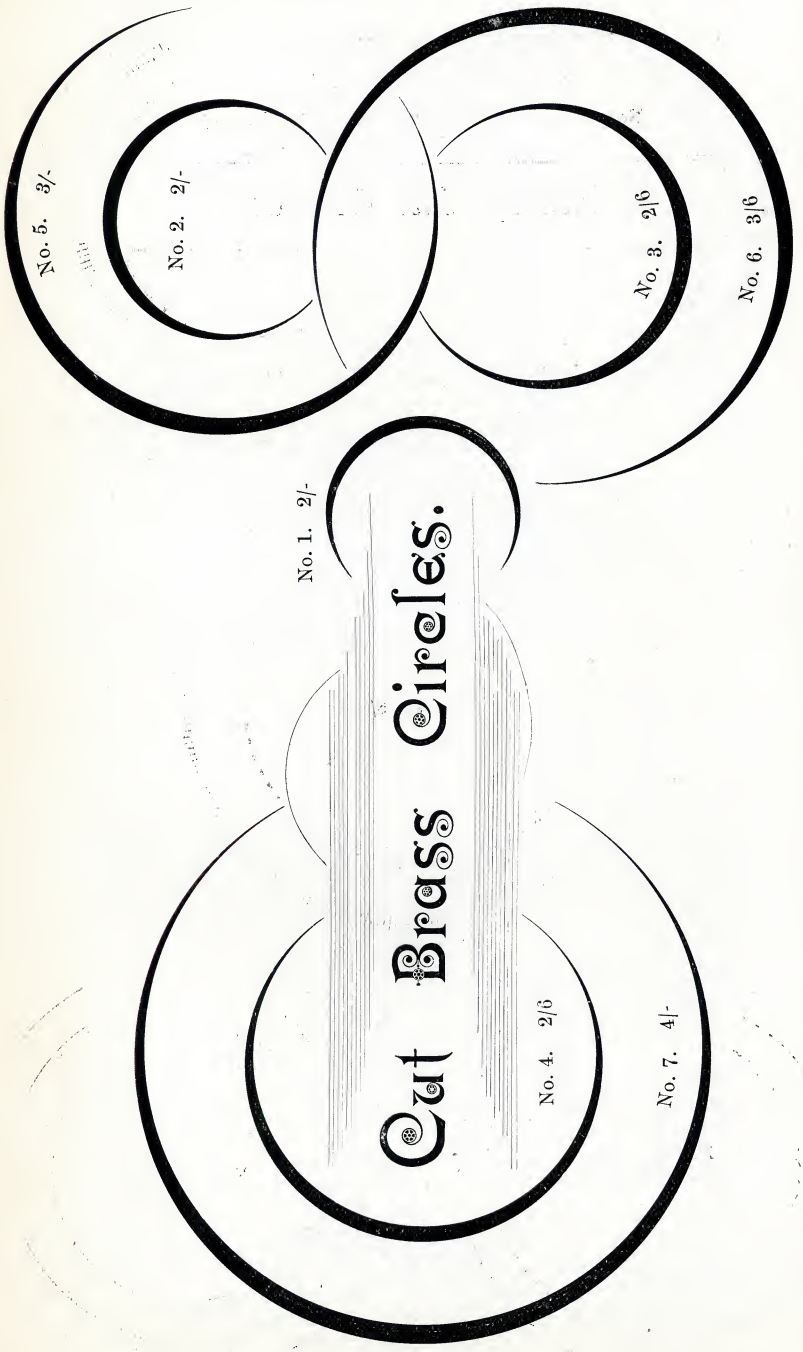
Brass Shapes.







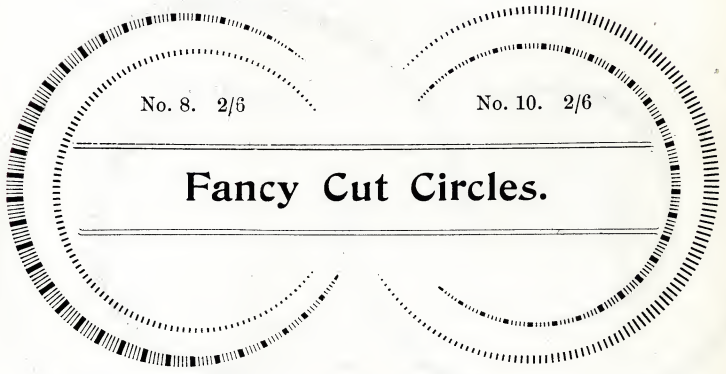
Rule Department—*continued.*



Rule Department—*continued.*

No 9. 3/-

No. 11. 3/-

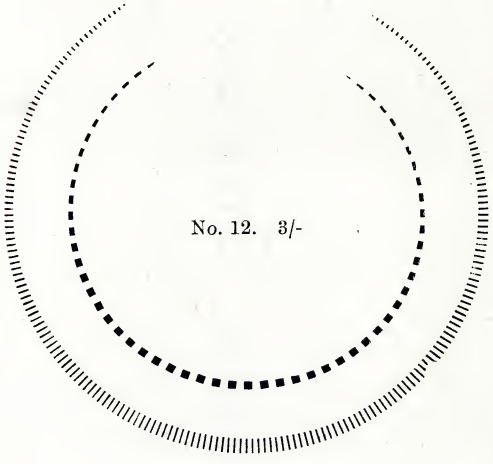


No. 8. 2/6

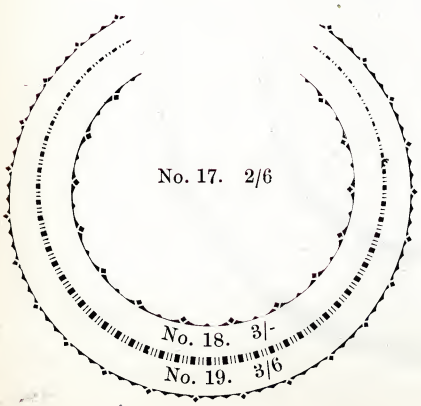
No. 10. 2/6

Fancy Cut Circles.

No. 13. 4/6



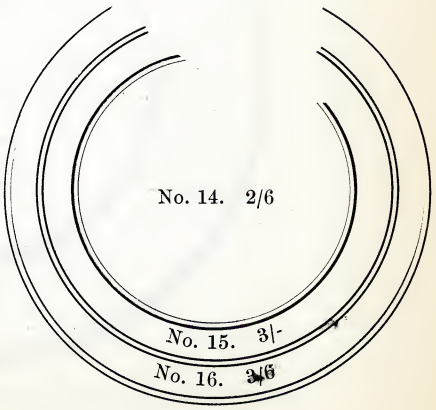
No. 12. 3/-



No. 17. 2/6

No. 18. 3/-

No. 19. 3/6



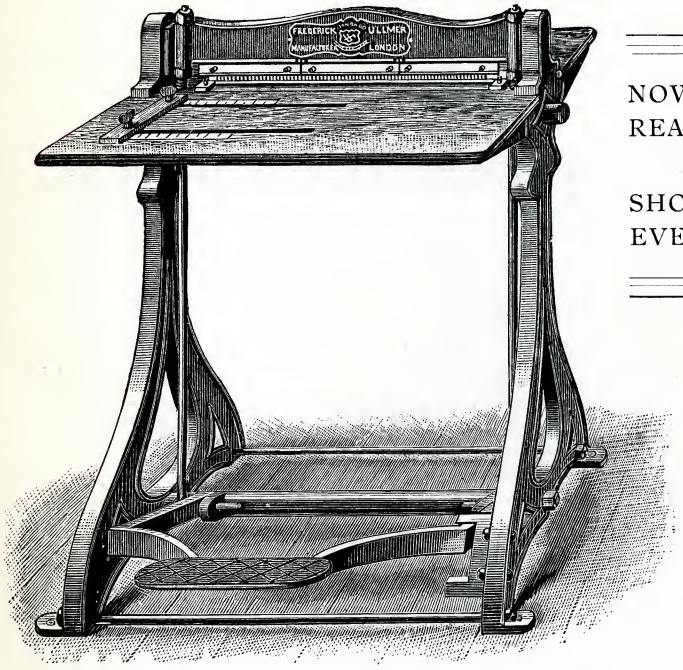
No. 14. 2/6

No. 15. 3/-

No. 16. 3/6

SECTIONAL ROUND-HOLE

Treadle Perforating Machines.



NOW WITHIN
REACH OF ALL!

SHOULD BE IN
EVERY OFFICE!

WELL FINISHED,
AND
HAS POLISHED
MAHOGANY
BOARDS.

THE advantages of these Perforating Machines are as follows:—Simplicity of construction, combined with strength and solidity; the facility for removal of any pins by merely unscrewing the two nuts, and lifting off the head of the Machine, thus enabling the pins, without trouble, to be set to any given length or pattern; all the pins or punches are made exact to one templet. Duplicate parts and sets of plates, in case of accident, can at any time be supplied without the Machine being returned, *as all parts are made from templets.* This is of great importance to gentlemen from abroad ordering these Machines. The *Pins or Punches are arranged in Sections*, so that loosening the front screws, and taking out one or more of the *steel plates*, and raising the sections will give the blank space required in a few minutes, and the working of the Machine will not in the slightest be interfered with.

PRICES:

No. 1.—Machine to perforate 20 inches clear, with 3 movable sections (one 8 in. and two 6 in.) for blank space when required	£11 0 0
No. 2.—Machine to perforate 27 inches clear, with 4 movable sections (7 in. each) for blank space when required	15 0 0
No. 3.—Machine to perforate 30 inches clear, with 5 movable sections (6 in. each) for blank space when required	17 0 0
New Pins ... ... per 100	0 3 0

A very large number of these Machines now in use.

PERFORATING MACHINES REPAIRED. NEW PLATES AND PINS FITTED.

Hand Perforators.

Wrought Iron Carriages and
Steel Cutters.
PRICE **10/6** EACH.



The above are very similar to a Bookbinder's Roll, perforating thus - - - - - - - - - - -

Cheap 24 in. Round-Hole Perforating Machine.

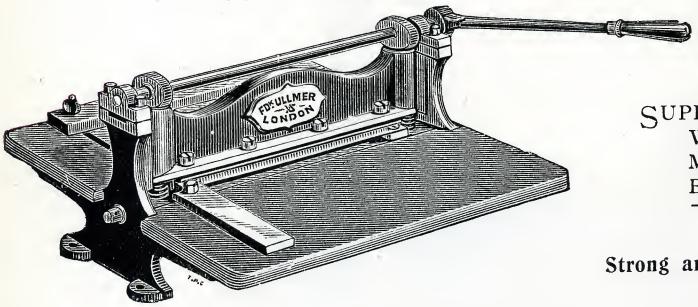
Superior Manufacture, with Treadle Motion and French Polished Mahogany Boards.
Only one size of this Machine manufactured, 24 in.
Each Machine is guaranteed for Twelve Months.

24 in. Perforating Machine, having 20 in. of pins and 4 in. of blank space for cross perforations **£12 10 0**

Pins for the above Machine ... ... per 100, **3/-**

Round-Hole Lever Perforating Machines.

TO STAND ON COUNTER.



SUPERIOR MAKE WITH POLISHED MAHOGANY BOARDS.

Strong and Very Reliable.

No. 1.	14 in. Perforator	**£6 10 0**
No. 2.	16 in. ,, ...	**8 10 0**
No. 3.	14 in. all pins, with 4 sections, for Cheque Work ...	**7 12 6**
No. 4.	16 in. ,, ,, ,, ...	**9 15 0**

Extra Pins .. per 100 **3/-**

Hand Lever Perforating Press.



WELL MADE.

SURFACE PLANED AND POLISHED.

9½ in., open at one end, so by reversing sheet can perforate 19 in. ... **£3 10 0**

THE IMPROVED

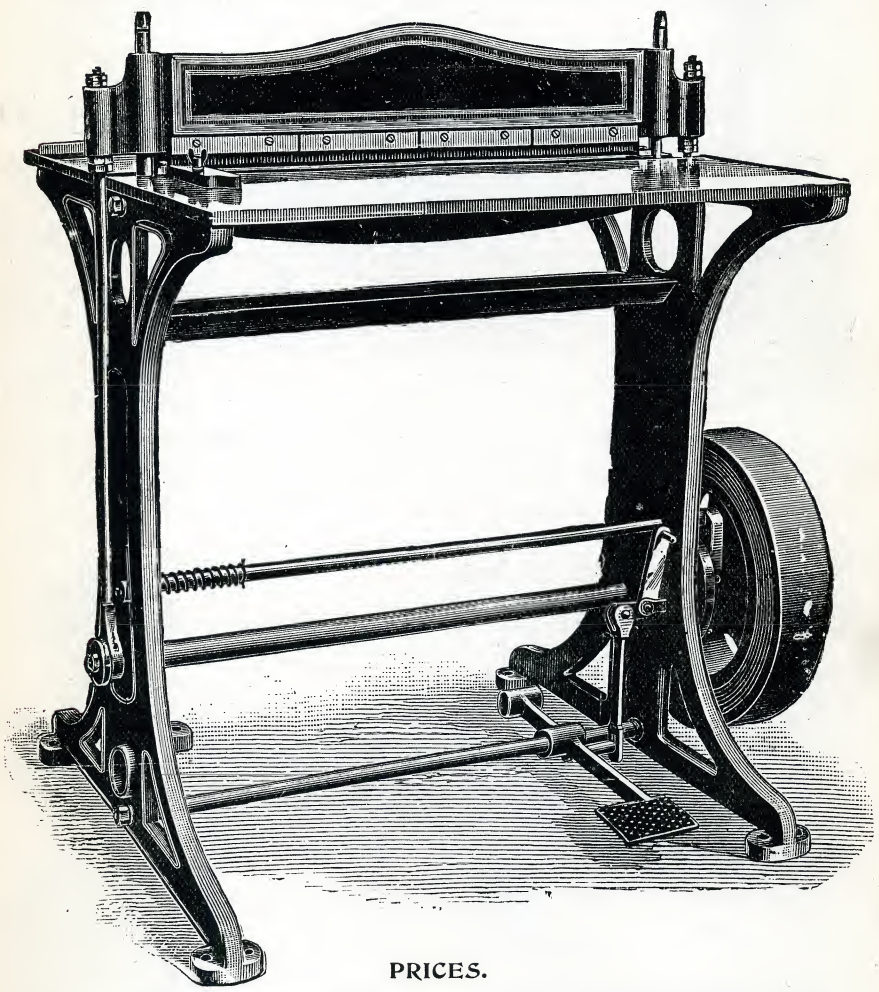
'Standard' Steam Perforator

Has been Tested to Perforate Four Thicknesses of Iron.

THE PRINTER'S MACHINE. - - THE BOOKBINDER'S AND STATIONER'S MACHINE.

This Machine is very strongly made, and the 27-in. weighs only 5 cwt.

Will Perforate quite double the quantity of Paper that can be done on a Treadle Machine!



PRICES.

20-in. With Three Sections, **£14 10s.** 27-in. With Four Sections, **£18.**
30-in. With Four Sections, **£21.**

THIS Machine is practically the ordinary Treadle Perforator, only made considerably stronger, and with the addition of a Clutch Pulley, kept constantly running at a speed of about 70 to 75 per minute. The Machine, however, only comes into operation when the foot is put on the Treadle, causing a catch to work into the pulley, and the pinholder to rise and fall, but directly the Treadle is released, the pinholder rises and stops, the action, as will be seen, very much resembling that of a Steam Wire Stitching Machine, or Self-Clamp Guillotine.

The great advantages offered are that a very young girl can, with practically no exertion to herself, do far more work than with the ordinary Treadle Machine. This Machine is guaranteed to perforate thicker sections than can be done by any other make in the Kingdom.

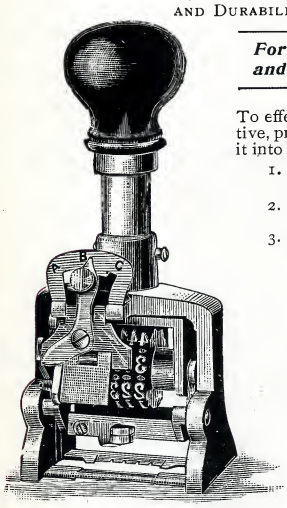
These Machines are thoroughly well made throughout, steel being used in every working part, and a high finish carried out in every detail, the Machines being neatly japanned, and the tables being made of well-seasoned mahogany. Prices, as will be noted, are very little more than the ordinary Treadle Machine.

A.B.C. TRIPLE ACTION

Automatic Hand Numbering Machine.

With Hand-Cut, Hardened Steel Wheels—equal to Type.

COMBINING SIMPLICITY OF ACTION, LIGHTNESS AND DURABILITY (DIAL-SETTING MOVEMENT).



For Numbering Consecutive, Duplicate, and Repeat, by touching a Lever.

To effect any change from Duplicate to Consecutive, press the pointer against the Dial, and move it into any of three slots required.

1. To number Duplicate move it into slot marked DUPL.
2. To number Consecutive move it into slot marked CONS.
3. To number Repeat move it into slot marked REPEAT.

PRICES OF MACHINES

(Hardened Steel Wheels).

Size of Figures.	4-wheel	5-wheel	6-wheel
C to F ...	50/-	54/-	58/-
GG to H ...	54/-	60/-	66/-
I to J ...	60/-	66/-	72/-

Patent Automatic Cyphers, to number from No. 1, are fitted at 6s. each.

All machines number from 1—with or without preceding Zeros.

C. 123456
D. 234567
E. 345678
F. 456789
GG. 567890
G. 123456
H. 234567
I. 345678
J. 456789

Triplicate action can be added to any machine for 6/- extra. *Any size or style of Figures made to order.*

Each Machine is packed in box with One Bottle of Ink, Two Reserve Pads, Pointer, and Distributor, and Full Instructions.

Ink, per Bottle ... 1/=

THE BATES

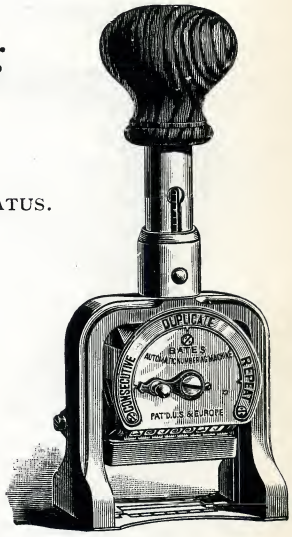
Automatic Hand Numbering Machine.

HIGH STANDARD OF WORKMANSHIP.
STEEL FIGURES. SELF-INKING APPARATUS.
DIAL-SETTING MOVEMENT.

3 wheels, numbering from	1	to	999	...	46/- Net.
4 ,, ,,	1	to	9,999	...	52/- ,,
5 ,, ,,	1	to	99,999	...	60/- ,,
6 ,, ,,	1	to	999,999	...	68/- ,,
7 ,, ,,	1	to	9,999,999	...	76/- ,,

Every Machine Guaranteed.

Ink, per Bottle ... 2/6 Net.



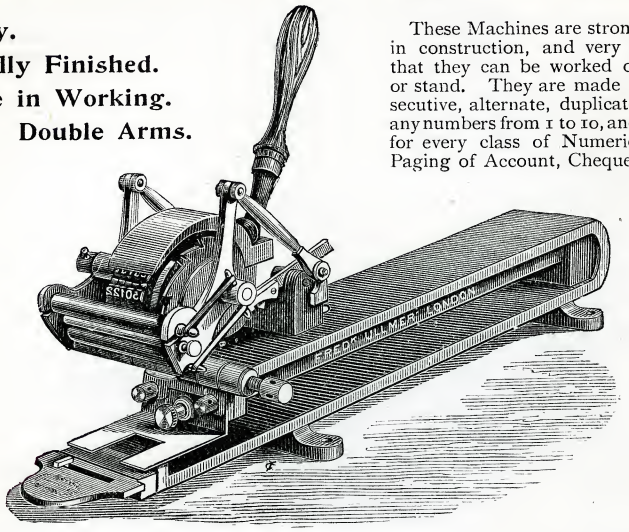
Cut half actual size of machine.

STYLES OF FIGURES.

STYLE A	STYLE E	STYLE F	STYLE G
12345	12345	12345	12345

Numerical Paging Machines.

Best Quality.
Beautifully Finished.
Accurate in Working.
Double Arms.



These Machines are strong and simple in construction, and very portable, so that they can be worked on a counter or stand. They are made to print consecutive, alternate, duplicate, or missing any numbers from 1 to 10, and are adapted for every class of Numerical Printing, Paging of Account, Cheque Books, &c.

	£	s.	d.
No. 1 Machine, with 5 Gun-Metal Wheels	12	0	0
No. 1 ditto with 3 First Wheels in Steel	13	10	0
Extra Set of 5 Gun-Metal Wheels	5	0	0
Extra Set of 5 Steel Wheels	8	10	0

	£	s.	d.
No. 2 Machine, with 6 Gun-Metal Wheels	13	0	0
No. 2 ditto with 3 First Wheels in Steel	14	10	0
Extra Set of 6 Gun-Metal Wheels	5	10	0
Extra Set of 6 Steel Wheels	9	0	0

SPECIMEN OF FIGURES.

No. 1.....351

No. 2.....257

No. 3.....234

No. 4.....180

No. 4A.....567

No. 5.....624

No. 6.....385

No. 7....267

The above Figures are those generally supplied, other Sizes and Patterns can be Made to Order. Nos. 2 and 3 size Figures are those more generally used. **Specially well cut Figures.**

BLACK INK FOR PAGING MACHINES, per lb. 5/-, in ½lb. or 1 lb. Tins.

Paging Machines Repaired, Figures Re-Cut, &c.

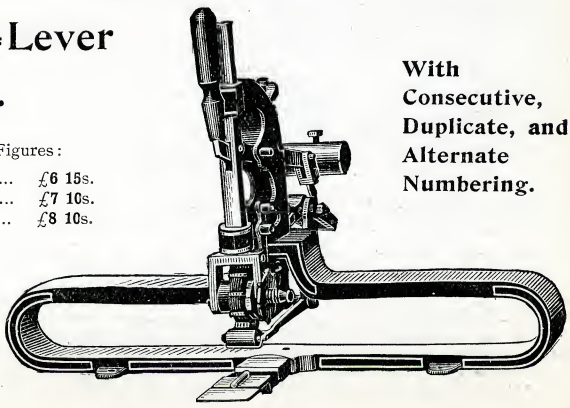
Improved Hand-Lever Paging Machine.

Price with One Set Gun-Metal Figures:

Four Wheel to number up to 9,999	...	£6	15s.
Five Wheel ,, ,, 99,999	...	£7	10s.
Six Wheel ,, ,, 999,999	...	£8	10s.

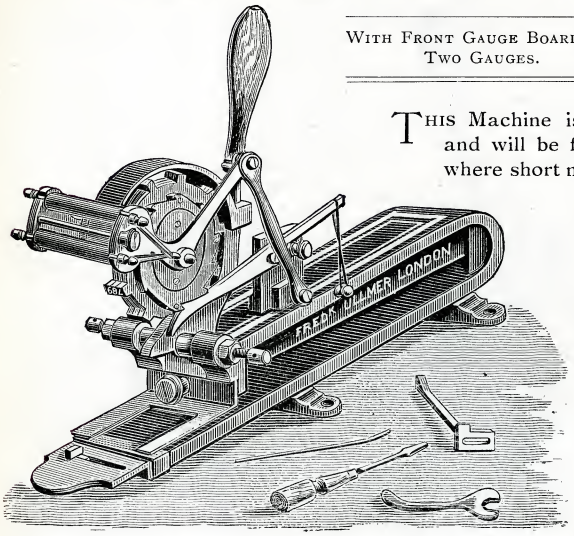
N.B.—Any Size or Style of Figure Supplied or Cut to Order, to fit any make of machine.

No Ink Disc supplied with the Hand Machines.



With Consecutive, Duplicate, and Alternate Numbering.

The Little "Standard" Numbering Machine.



With Front Gauge Board and Two Gauges.

THIS Machine is a handy, inexpensive article, and will be found specially useful in offices where short numbers are required, and where there is not sufficient work for a larger or more expensive Machine. They are made to work consecutive and alternate.

PRICES:

Three-wheel Machine, to number up to 999, ***£5 10 0***

Four-wheel Machine, to number up to 9,999, ***£6 5 0***

If the Machine is to work Duplicate the price will be 10/- extra.

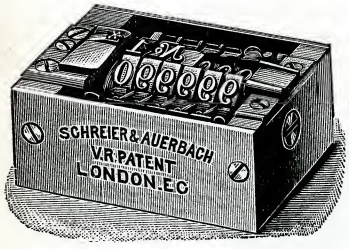
Any size Figures up to No. 4, can be supplied to the above Machines. Specimen figures on page 129.

PATENT AUTOMATIC

Type-High Numbering Machine.

FOR NUMBERING AND PRINTING IN ONE OPERATION.

THE most perfect and reliable Type-High Numbering Machine in the market, to set up in forme in combination with type in any position required; also for electro or stereo blocks, which can be pierced to allow the Figures to come up to level with surface of Blocks. Being entirely Automatic, the pressure of the Platen or Cylinder on the Star immediately behind the Unit Wheel will rotate the Wheels; as soon as the pressure is withdrawn, the Star lifts the paper off the Wheels, and rotates the Wheel the same time for the following Number; this prevents slurring of the figures.



These machines are made with sinkable noughts and Patent Automatic Sliding Cypher No., to be able to number No. 1 to No. 999,999. Instead of the "No." other Letters or Signs can be worked, for instance A 1, &c. These Cyphers or Letters are moved in a groove close to the Unit Wheel when starting, but will slide backwards as each Wheel rotates into position, without stopping the Press.

All Machines in stock have six hardened Steel Wheels, with sizes of Figures as the number on "Postal Orders," which are of our make; a smaller Figure is also made, as size A. Larger Figures than B size cannot be made "type-high," as it involves a larger Diameter of the Wheels, which would make the Machine 1 inch high.

PRICES.

	4 Wheels	5 Wheels	6 Wheels
A. ...	***£4 10 0***	***£4 16 0***	***£5 0 0***
B. ...	***£4 16 0***	***£5 2 0***	***£5 8 0***

STYLE OF FIGURES.

A. № 1234567890

B. № 1234567890

"Standard" Quick
Treadle Paging Machine.

Supplied with Revolving Ink Disc, giving perfect distribution of ink, similar to that on Platen Machines; Travelling Tape, to prevent smearing; Rising and Falling Table; also with movements for Consecutive, Duplicate, Tripiicate, and Alternate Numbering.

This Machine can be guaranteed to work with perfect inking and perfect changing of figures at the rate of

6,000 per hour.

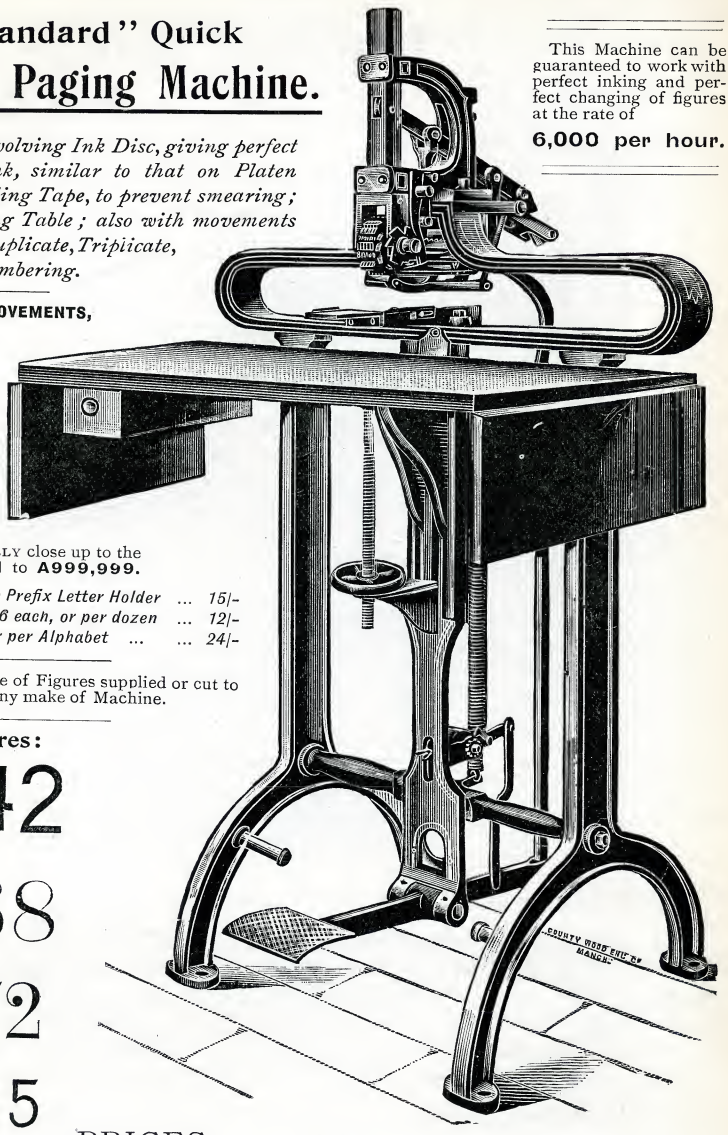
IMPORTANT IMPROVEMENTS,
VIZ:

Two extra Leaves have heen added to the Table, rising and fastening automatically, giving up to five feet table space if required. Foot Rest for the left foot of operator.

Prefix Letters can be supplied if desired, and always printing AUTOMATICALLY close up to the figures, thus: from **A1** to **A999,999.**

Automatic Prefix Letter Holder ... 15/-
Letters, 1/6 each, or per dozen ... 12/-
Or per Alphabet 24/-

N.B.—Any size or style of Figures supplied or cut to order, to fit any make of Machine.



Style of Figures:

N°1 5342
2 3768
3 5372
4 12345
5 34567
6 23749
7 23560
8 27563
9 23457

PRICES:
(Inclusive of One Set Hard Gun-Metal Figures.)

Four Wheel, to number up to 9,999 ... ***£23***
Five Wheel, ,, ,, 99,999 ... ***£24***
Six Wheel, ,, ,, 999,999 ... ***£25***

EXTRA SETS OF FIGURES:
20/- per Wheel in Gun Metal. 35/- per Wheel in Hardened Steel.
Six Wheels in Hardened Steel, £9.

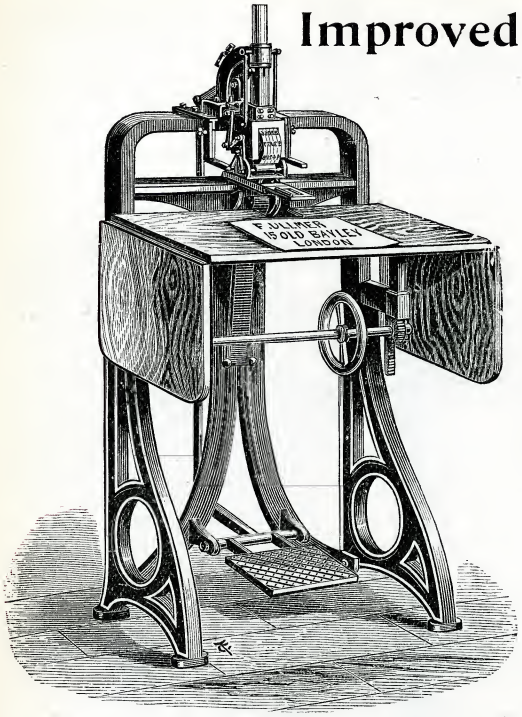
The Steel Figures are prepared by a special secret process, making them so hard that they cannot be touched by a file, and with fair wear and tear may be relied upon to last for a number of years.

New Feature: *Repeating Wheels can be supplied to repeat any number up to 12 times, at an extra cost of 4/- for each Repeat above three times.*

Can be supplied, if required, with the Specially Hardened Steel Figures, exceedingly durable, and very much cheaper in the long run than the Gun-Metal Figures.

☞ Attention is particularly called to the specially Hardened Steel Pins and Screws supplied throughout this Machine, as this important improvement ensures thorough accuracy and ease in working.

Improved Treadle Paging Machines.



Fitted with every Modern Improvement, with Iron Stand.

Mahogany Rising Table, Inking Apparatus, and Tape Movement.

THESE Machines number alternately, consecutively, and repeat, 2, 3, or 4 times, if required, and print from 1 to 999,999.

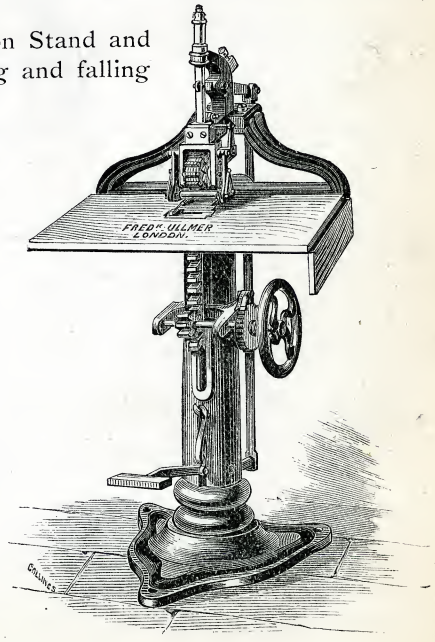
PRICE, ***£32*** COMPLETE.
Extra Set of Wheels, ***£6 10s.***

Steel Figures can be supplied, £10 per set.

For size of figures, and prices of extra wheels in gun metal or steel, when ordering see specimen figures under numerical Paging Machines, page 129.

"Pedestal" Treadle Paging Machines.

THESE Machines are made with Iron Stand and Frame, and with mahogany rising and falling table, which is worked by a rack and pinion motion. It numbers alternately, consecutively, and duplicate. The wheels are removable, and extra sets of different size figures can be supplied if required.



6-WHEEL MACHINE.
PRICE, ***£20*** COMPLETE.

Extra Set of Wheels if required ... **£6 10s.**

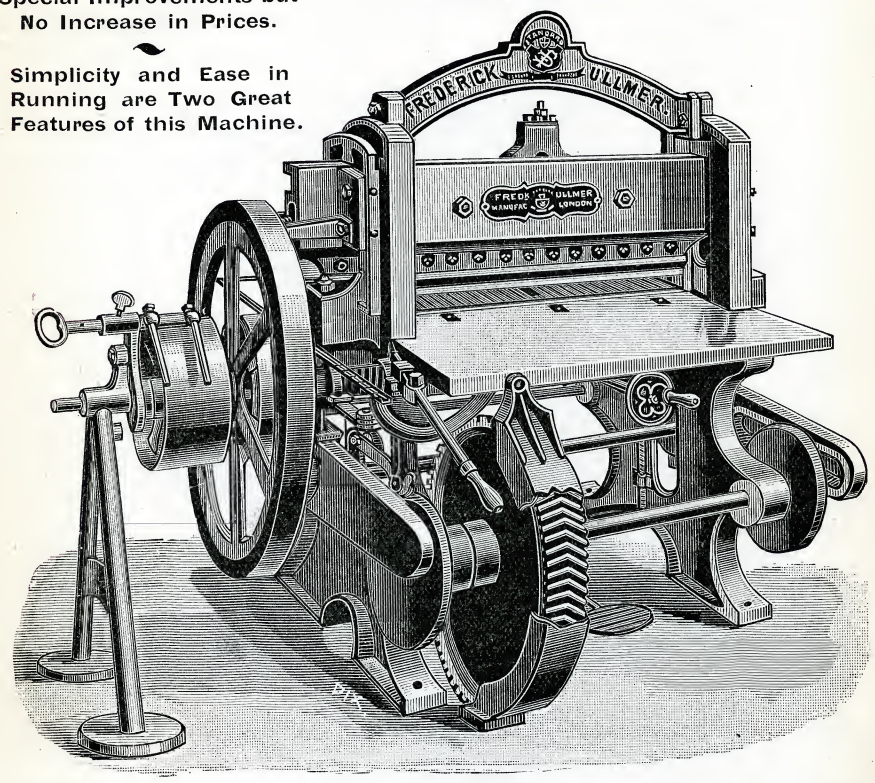
For Size of Figures, and prices of extra wheels, in gun metal or steel, when ordering, see specimens under Numerical Paging Machines, page 129.

No. 2 size Figures are generally supplied, unless ordered to the contrary.

"Standard" Self-Clamp Guillotine Cutting Machine.

Special Improvements but No Increase in Prices.

Simplicity and Ease in Running are Two Great Features of this Machine.



FREDERICK ULLMER, Ltd., respectfully draw the attention of the Trade to the "Standard" Self-Clamp Cutting Machine, the design of which has been recently improved in two important particulars, viz:

1. ***By the introduction of Double Helical or Herring Bone Gearing, the special advantages of which are increased solidity and strength, and smoothness of running, hence less wear and tear.***
2. ***By transferring the Starting Lever to the same side as the driving wheel, which dispenses with the Cam and Shaft, thus simplifying the machine and enabling the operator to momentarily stop or start machine in any position whatever.***

Another unique feature of this machine above all others of its class is that it has a Self-Locking Arrangement, worked by a non-vibrating friction Clutch, which absolutely prevents the Machine from accidentally starting, thus obviating danger to the operator.

Also, the Clamping power of this machine has been thoroughly tested for all classes of paper—writing, printing, glazed, straw, or millboards, &c.—with the greatest satisfaction, *never having failed.* The workmanship of these Machines is of the highest quality, the gearing wheels being cut by machinery; the strength well-proportioned, and placed where most required to stand the greatest strain. This machine is also accurately counterbalanced.

Prices for Steam Power.

To cut 38 inches	...	...	£110	0	0
,, 42 ,,	...	...	125	0	0
,, 44 ,,	...	...	140	0	0
,, 48 ,,	...	...	170	0	0
,, 52 ,,	...	...	220	0	0
,, 54 ,,	...	...	245	0	0

Extra Knives are charged at 1/6 per inch.

Other Special Advantages.

No springs or weights are used for the Clamp, thus avoiding the extra power to compress or lift either.

The action is automatic, and so rapid that it starts, clamps, cuts, returns, and stops, in an operation of THREE SECONDS.

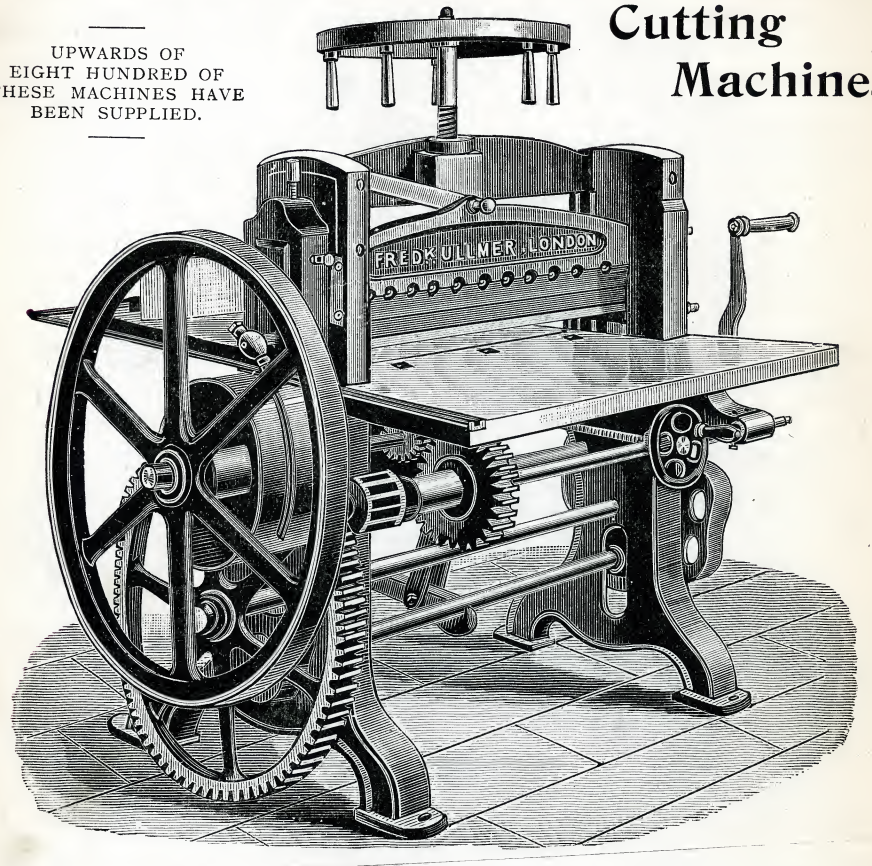
It is started at full speed immediately, and can be instantly stopped in any part of the cut, and restarted to finish cut, or backed up as desired.

A treadle action allows of the whole of the bottom of the clamp being easily brought down on the pile of paper for the purpose of gauging, leaving both hands free.

Other Advantages of this Machine are too well known to need repetition here.

The Powerful Improved Diagonal Cutting Machine.

UPWARDS OF EIGHT HUNDRED OF THESE MACHINES HAVE BEEN SUPPLIED.



EACH MACHINE IS GUARANTEED.
THE TABLES ARE IRON, PLANED AND POLISHED.

FOR HAND POWER.	£	s.	d.
To cut 20 inches	38	0	0
Do. 26 ,, ...	45	0	0
Do. 30 ,, extra power...	55	0	0
Do. 33 ,, ,, ...	65	0	0
Do. 36 ,, ,, ...	75	0	0

FOR STEAM POWER.	£	s.	d.
To cut 26 inches	48	10	0
Do. 30 ,, extra power...	60	0	0
Do. 33 ,, ,, ...	70	10	0
Do. 36 ,, ,, ...	85	0	0
Do. 42 ,, ,, ...	110	0	0

The price includes 2 Knives and 12 Wood Cutting Sticks.

Extra Knives are charged 1/6 per inch.

The Machines fitted for Steam Power have fast and loose Pulleys and Striking-off Apparatus.
The above illustration represents the Steam-Power Machine.

THIS is a very powerful double geared and well-built Machine, and adapted for all classes of work—soft or hard paper. They are fitted with side and back gauges. The tables are all iron, planed and polished. Upwards of 800 of these Machines have been supplied.

ORIGINAL PAGE
CUT

FITTED FOR HAND OR STEAM.
VERY POWERFUL.
EASY IN WORKING.
DIAGONAL MOTION ONLY.
BEAUTIFULLY FINISHED.
ACCURATE IN CUTTING.
FITTED WITH SIDE GUIDES.



PRICES: 27 inch £45 0 0
33 inch 65 0 0

The 33 in. Machine is fitted with double gear and clutch action for 2 speeds.

One Knife and 12 Wood Cutting Sticks included with each Machine.

Steam Apparatus charged extra, £3 10s. ***Extra Knives, best quality, £2 10s. each.***

Special Features: Made of the very best material, and the workmanship guaranteed.
Latest improvements, and front table and other parts made on the interchangeable system.
Fitted with overhead fly-wheel, and latest improved adjustable fence or gauge.
The Striker applied by hand or foot, so that the Machine can be stopped instantly and at any position of the knife.
Eccentric wheel, ensuring slow and powerful motion in cut and a quick return after leaving paper.
Very powerful in action, and admits a cut of 4¾ inches in thickness.

ORIGINAL PAGE
CUT

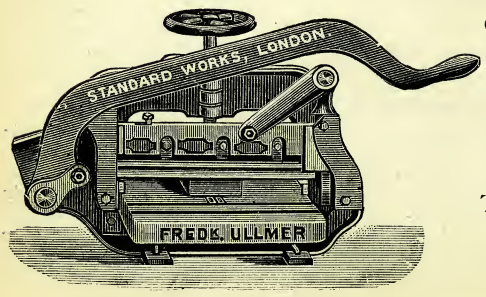
Some hundreds of these Machines have been supplied from the "Standard" Works.

PRICES:

To cut 12 inches	...	£18	10	0	To cut 20 inches ...	£30	0	0
Do. 15 ,,	...	24	0	0	Do. 26 ,, ...	35	0	0
Do. 18 ,,	...	27	0	0				

Extra Knives, per inch, 1/6.

Price includes 1 Knife and 12 Wood Cutting Sticks.



"Standard" Lever Cutting Machine.

THIS Machine is specially adapted for small work. It is well constructed and thoroughly recommended for that purpose.

To cut 12 inches ... £7 0 0

Stands upon Counter, or Wood Stand can be supplied, if required, price 12/- extra.

Frederick Ullmer's, Ltd., New "STANDARD"

Improved Rotary Guillotine Cutting Machine.

Price, with One Knife, and Six Wood Cutting Sticks ... ***£19.***

Extra Knives ... ***£1 2 6*** each.

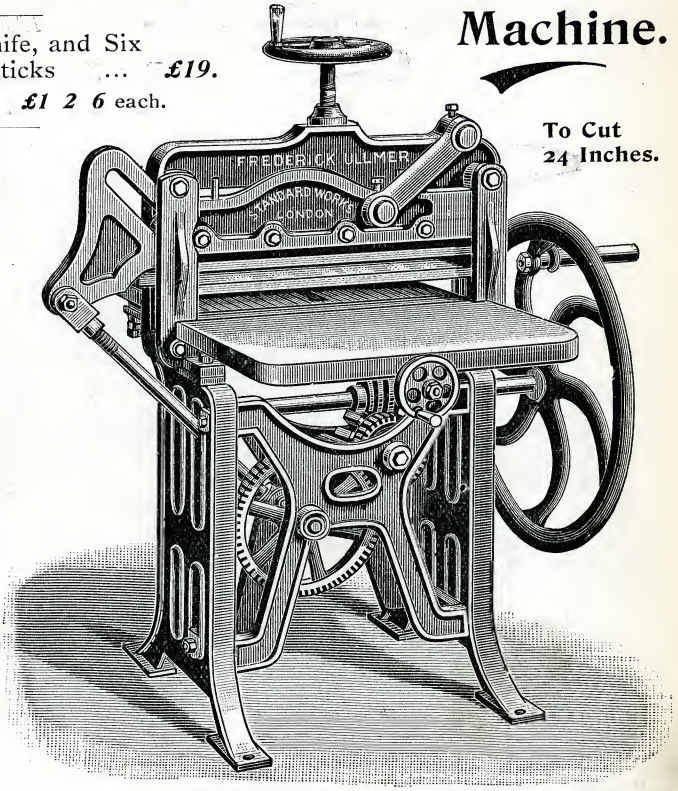
We advise the use of Wood Cutting Sticks in preference to Lead, and supply them from 3/6 per doz., upwards, according to size of machine.

THIS Machine cuts easily, rapidly, and clean. It has a front gauge. Will cut full 24 inches. A clean diagonal cut. It is a most useful size and it takes up comparatively little space, and can be confidently recommended. It has a vertical and diagonal motion to the knife, which, combined with the Compound Cut Gearing, brings the power required for the cut to the lowest possible amount.

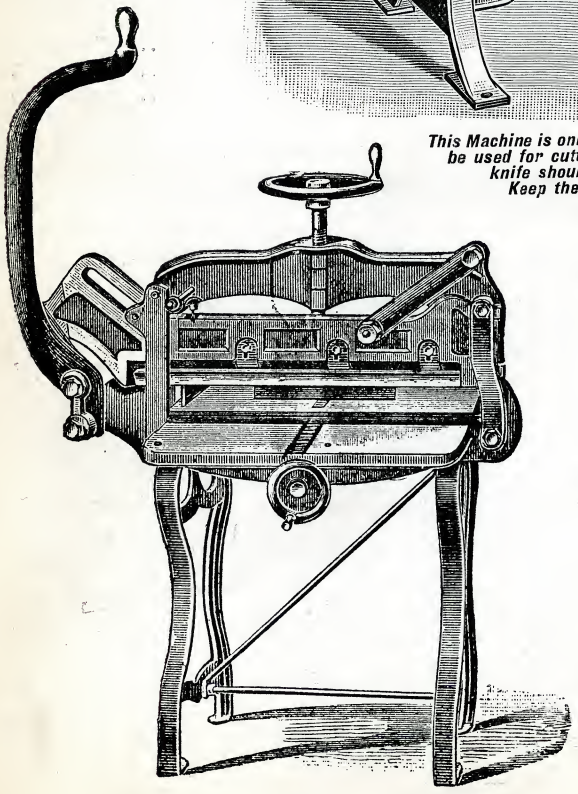
The knife can be detached and drawn through the side of frame without moving or unfastening any other part of the machine.

Working space required, 4 ft. 6 in. by 3 ft. 6 in.

To Cut 24 Inches.



This Machine is only intended for light work, and must not be used for cutting millboard or gum paper, and the knife should always be kept in good order. Keep the Machine clean and well oiled.



The "Standard" Lever Cutting Machine.

To Cut 20 in. by 3 in. ***£13.***

,, 22 in. by 3 in. ***£15.***

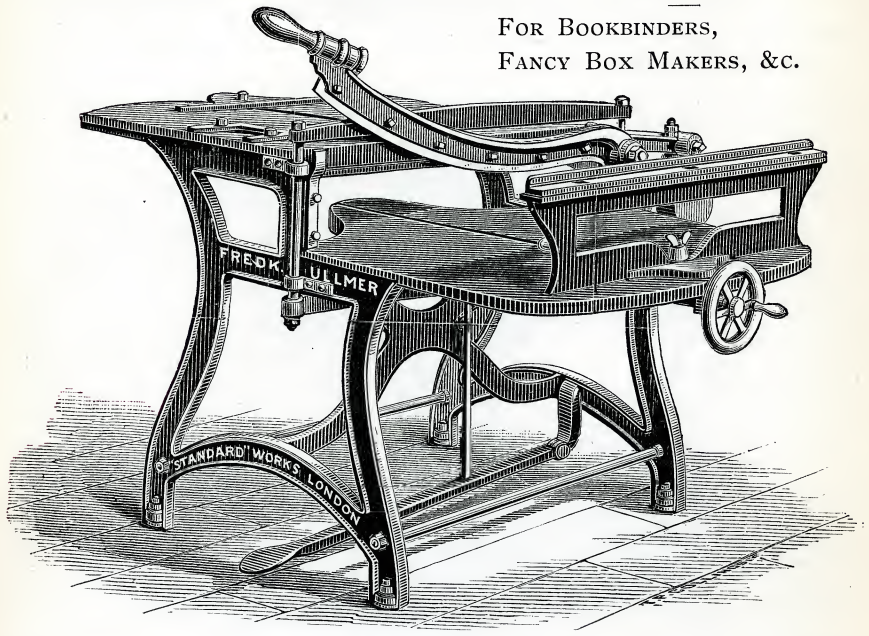
EXTRA KNIVES, 1/6 EACH.

Cuts clean and accurately.
A well-finished Machine.

Improved Millboard and Pasteboard Cutting Machines.

ALL IRON.

FOR BOOKBINDERS,
FANCY BOX MAKERS, &c.



To cut 24 inches clear	..	£11	0	0	To cut 38 inches clear	..	£18	10	0
,, 29 ,,	..	12	12	0	,, 42 ,,	..	20	0	0
,, 33 ,,	..	15	15	0	,, 48 ,,	..	24	0	0
,, 36 ,,	..	17	10	0					

These machines have planed and polished surfaces, front, back, and side gauges, balanced knife, &c.

Price of New Knives, 1/- per inch.

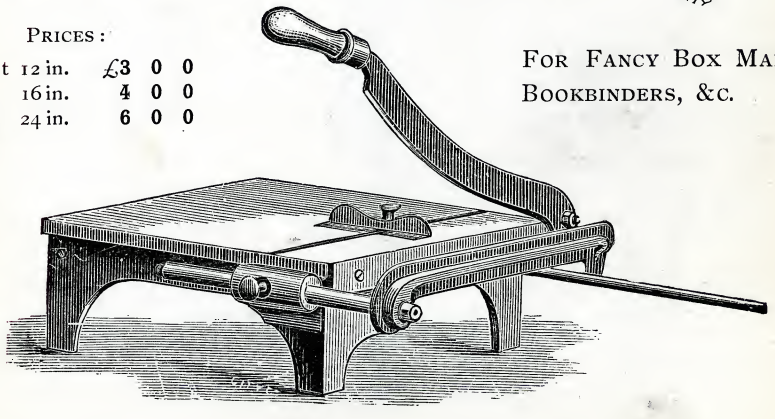
Card Cutting Machine.

All Iron.

PRICES:

To Cut 12 in.	£3	0	0
,, 16 in.	4	0	0
,, 24 in.	6	0	0

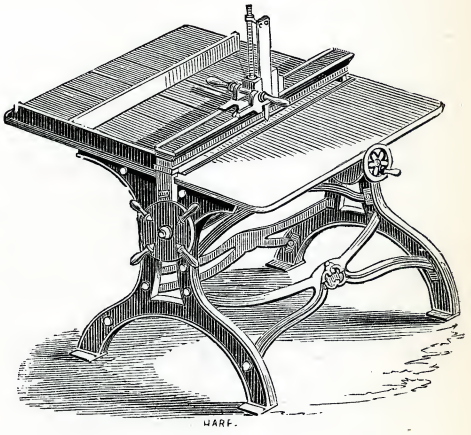
FOR FANCY BOX MAKERS,
BOOKBINDERS, &c.



New Knives, 1/- per Inch.

The "Imperial" Flat Paper Cutting Machine.

IRON PLOUGH, IRON GUIDE,
—— AND ——
POLISHED MAHOGANY BOARD.



To cut 28 inches	...	£14 0 0
Do. 32 ,,	...	16 0 0
Do. 36 ,,	...	18 10 0
Do. 40 ,,	...	20 0 0

Knives for the above ...	each	2/6
Wood Cutting Sticks	per doz.	4/-
Screw-drivers	each	1/6

Label Cutter Guide

—— OR SPRING BACK. ——

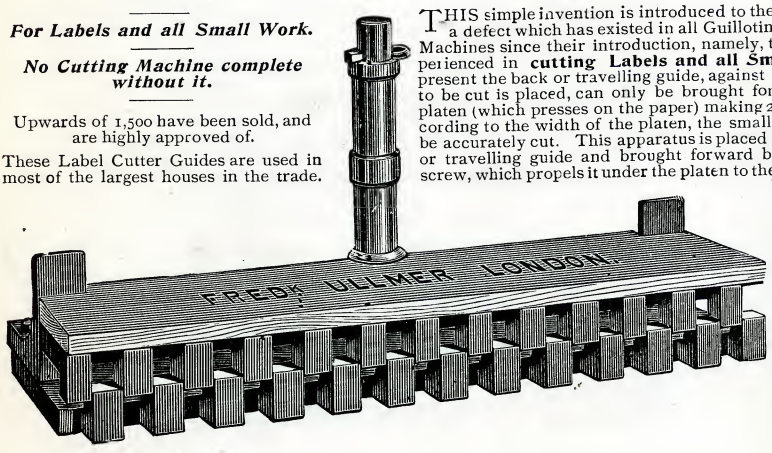
An invaluable acquisition to the Guillotine Paper Cutting Machine.

For Labels and all Small Work.

No Cutting Machine complete without it.

Upwards of 1,500 have been sold, and are highly approved of.

These Label Cutter Guides are used in most of the largest houses in the trade.



SIZES MANUFACTURED.

With One Wood Block ⅜ in. thick, as shown in the engraving.

Apparatus Complete.		Net.
9 in. ...	suitable for a 15 in. Guillotine	£0 18 0
12 in. ...	,, 24 in. ,,	1 5 0
18 in. ...	,, 30-33 in. ,,	2 5 0
24 in. ...	... ...	3 0 0
30 in. ...	... ...	3 10 0

EXTRA BLOCKS SUPPLIED TO ORDER.

THIS simple invention is introduced to the trade to remedy a defect which has existed in all Guillotine Paper Cutting Machines since their introduction, namely, the difficulty experienced in **cutting Labels and all Small Work.** At present the back or travelling guide, against which the paper to be cut is placed, can only be brought forward up to the platen (which presses on the paper) making 2 or 2½ inches, according to the width of the platen, the smallest size that can be accurately cut. This apparatus is placed against the back or travelling guide and brought forward by the regulating screw, which propels it under the platen to the size required to be cut, it is then brought down upon the paper, and the spring compresses with the pressure to about half its fixed height.

Wood blocks, varying from ½ inch to 2 inches, can be placed on the apparatus according to the required thickness to be cut or trimmed.

Fredk. Ullmer's, Ltd., Label Cutter Guides are adapted to fit all Cutting Machines.

Sundries for Cutting Room.

HARD WOOD STICKS FOR CUTTING MACHINES.

12 in.	...	...	...	per doz.	£0	2	0	33 in.	...	...	...	per doz.	£0 4 0
16 in.	...	...	...	,,	0	2	6	36 in.	...	...	...	,,	0 4 3
20 in.	...	...	...	,,	0	3	0	38 in.	...	...	...	,,	0 4 6
26 in.	...	...	...	,,	0	3	3	42 in.	...	...	...	,,	0 4 9
30 in.	...	...	...	,,	0	3	9	48 in.	...	...	...	,,	0 5 0

These Prices are for Sticks ¾ in. Square. Other Sizes at Proportionate Prices.

CELLULOID CUTTING STICKS.

Can be supplied at **2/6** per lb.

A 26 in. by ¾ in. square weighs about 12 oz.
A 32 in. by ¾ in. ,, ,, 14 oz.
A 38 in. by ¾ in. ,, ,, 1 lb. 1 oz.
A 42 in. by ¾ in. ,, ,, 1 lb. 3 oz.

NEW LEADS FOR CUTTING MACHINES.

12 in. by ¾ in. square	...	each	£0	1	9	30 in. by ¾ in. square	...	each	£0	3	6
16 in. ,,	...	,,	0	2	2	33 in. ,,	...	,,	0	3	9
20 in. ,,	...	,,	0	2	6	36 in. ,,	...	,,	0	4	0
26 in. ,,	...	,,	0	3	0	42 in. ,,	...	,,	0	5	0

EXCHANGING OLD MACHINE LEADS FOR NEW.

12 in. to 15 in. by ¾ in. sq.		each	£0	0	6	32 in. by ¾ in. sq.	...	each	£0	1	2
18 in. ,, 20 in. ,,		,,	0	0	8	36 in. ,,	...	,,	0	1	6
26 in. by ¾ in. sq.	...	,,	0	0	10	42 in. ,,	...	,,	0	1	9
28 in. ,,	...	,,	0	1	0						

Other Sizes Proportionately.

Wood Boxes for Shavings, from 10/- each.

Good Oil—the best that can be had, 3/6 per Gallon.

Price of New Knives for Cutting Machines, Finest Quality, 1/6 per inch.

When ordering New Knives it is desirable that a paper sketch of the old knife be sent. This can be done by placing the knife on paper and tracing same, marking position and size of slots; also say thickness and depth of Knife required.

Specimens of Envelope Cutters, see page 143.

GUILLOTINE KNIVES.

Ground by Special Machinery as under.

24 in. and under	...	...	£0	1	0	36 in.	...	...	...	...	£0	2	6
26 in.	...	...	0	1	6	42 in.	...	...	...	...	0	3	0
30 in.	...	...	0	2	0	48 in.	...	...	...	...	0	3	6

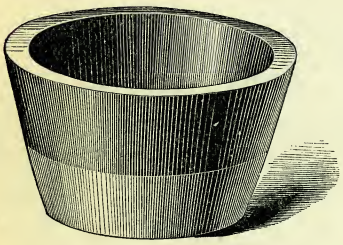
The above is for Ordinary Grinding. If the Knives are knotched an extra charge is made.

ORIGINAL PAGE
CUT

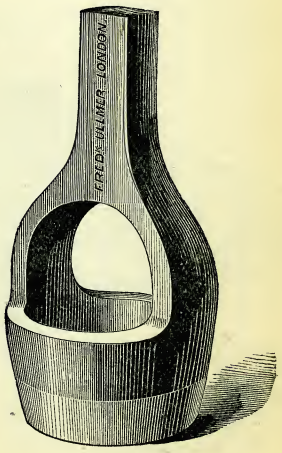


For Steam Power Machine see next page.

Steel Punches for Cutting Labels.



MADE TO ANY SHAPE



Envelope, Collar, &c., Cutters, per inch circumference ... ... from **1/6**

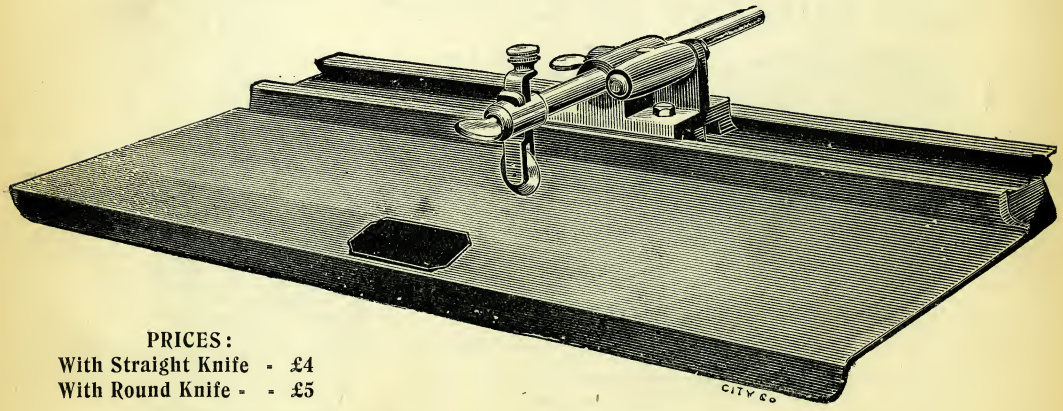
THESE CUTTERS ARE CHARGED ACCORDING TO SIZE.

ORIGINAL PAGE
CUT

Size: 24 by 12, £75. Size: 30 by 21, £98.

Improved Hand Scoring Machine.

FOR FANCY BOX MAKERS.

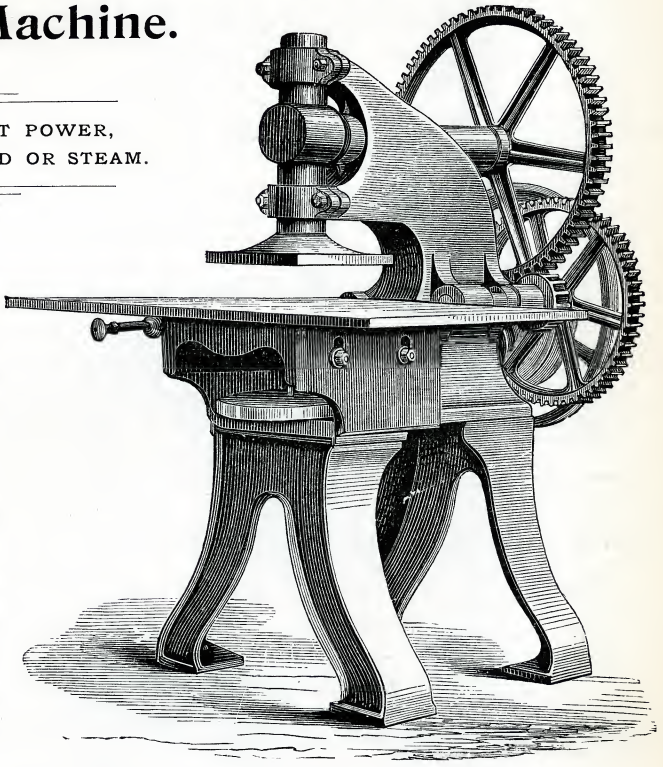


PRICES:
With Straight Knife - £4
With Round Knife - - £5

Other Scorers, see Pages 149 and 150.

Envelope and Label Punching Machine.

ALL IRON, OF GREAT POWER,
SUITABLE FOR HAND OR STEAM.



This Machine is adapted expressly for cutting out Labels, Envelopes, &c.

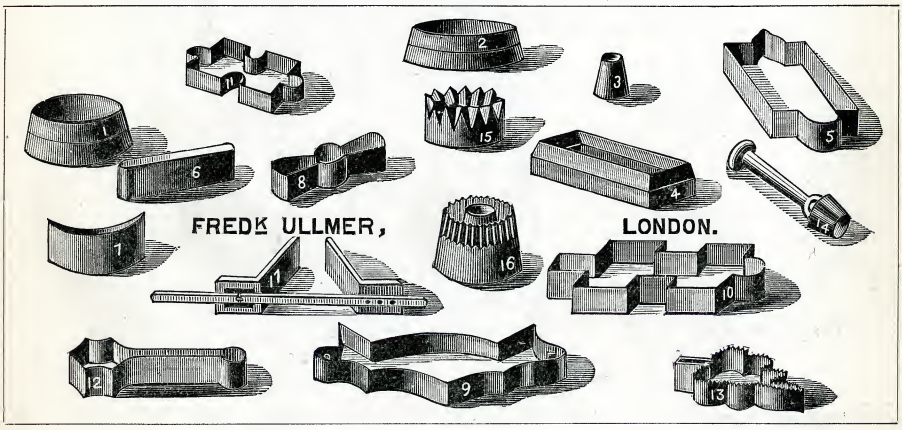
PRICES:

Platen, 6 in.	£24
,, 8 in.	£26
,, 10 in.	£38
,, 12 in.	£48

If for Steam Power, an extra charge is made.

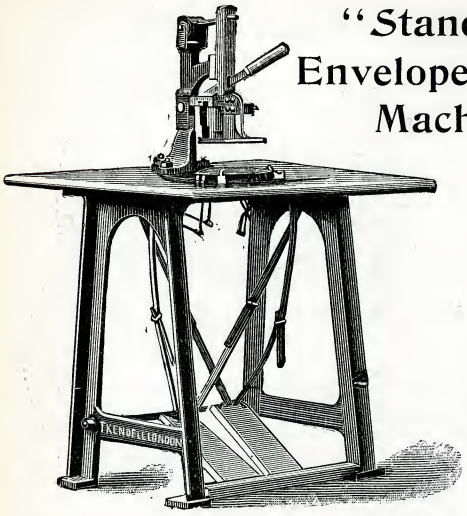
Steel Cutters and Shapes.

FOR LABELS, ENVELOPES, AND VARIOUS OTHER PURPOSES.



Prices from 1/6 per inch circumference according to size and design.

ALL CUTTERS GUARANTEED EXACT TO PATTERN. *HAND PUNCHES MADE TO ORDER.*



"Standard" No. 1 Hand Envelope Folding & Gumming Machine.

PRICE - ***£30.***

With plungers and boxes to do one size, not larger than 6 in. by 3¼.

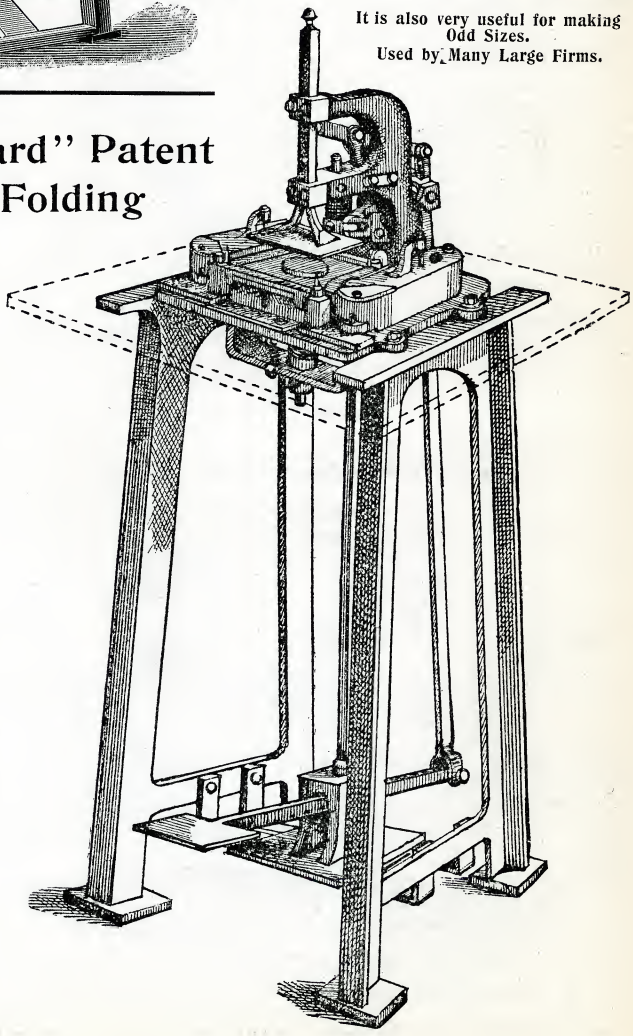
Other size plungers and boxes, from **£3 10s.** each.

THIS Machine is very largely used by manufacturers who do not have large quantities, it being very light to work, and is capable of folding and gumming, for small size envelopes—say 6 in. by 3¼ in. and under—

10,000 to 15,000 Envelopes per Day.

It is also very useful for making Odd Sizes.
Used by Many Large Firms.

No. 2 "Standard" Patent Envelope Folding Machine.



PRICE - ***£35.***

With plungers and boxes complete for one size.

Other sizes, plungers and boxes ... ***£3 10s.***
EACH.

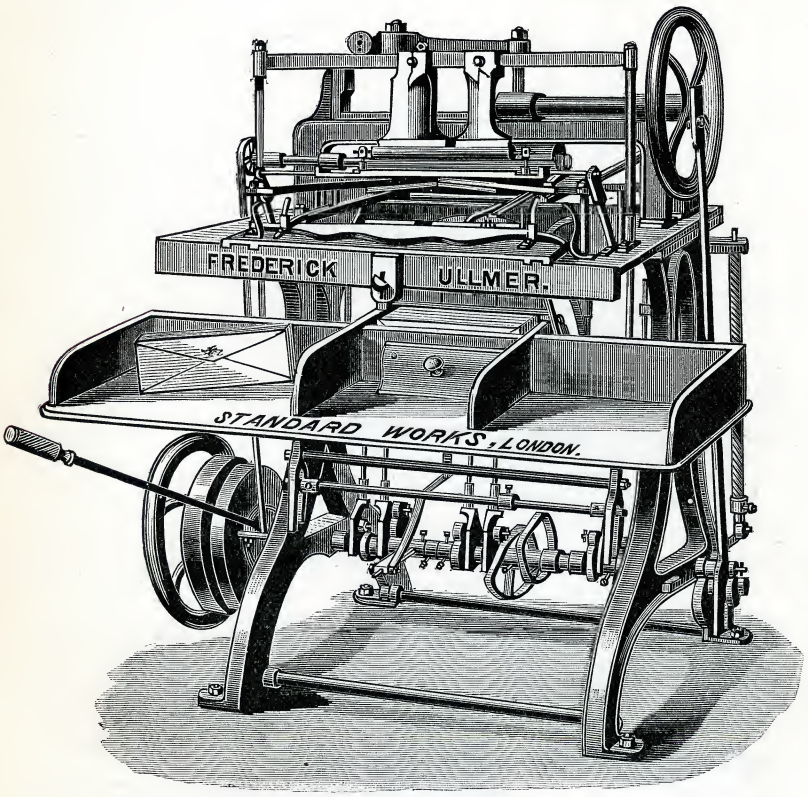
This Machine adapted for sizes 6½ in. by 4 in. and upwards, will gum, fold, and stamp

16,000 a Day.

"STANDARD" PATENT SELF-FEEDING

Envelope Folding Machine.

FOR STEAM POWER.



THIS Machine can turn out 20,000 envelopes per day. It is self-reeding, and can be attended to by a girl.

For anyone turning out large quantities of any special size envelope it will be found a great money saver.

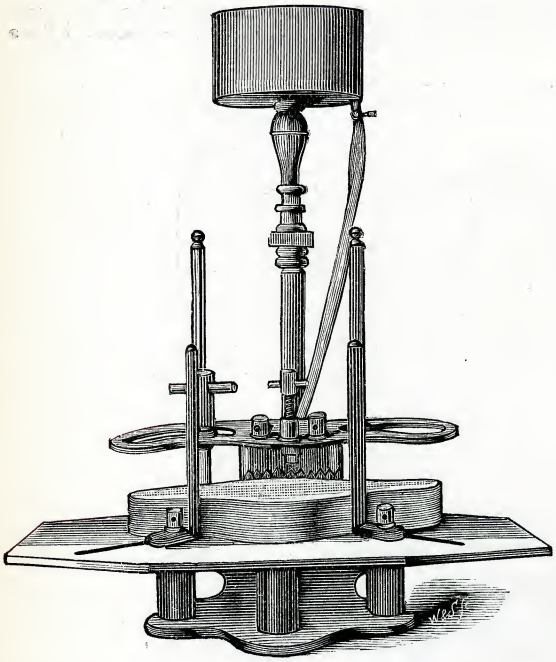
Each Machine does one size only.

PRICES:

To fold size	$3\frac{1}{4} \times 6$	...	...	...	...	**£95.**
Do.	$4 \times 9\frac{1}{2}$	...	...	...	...	**£125.**
Do.	11×6	...	...	...	...	**£135.**

Well finished and thoroughly reliable. Other sizes at proportionate prices.

"Standard" Cementing Machine.



FOR
CEMENTING
TOP FLAPS OF
ENVELOPES.

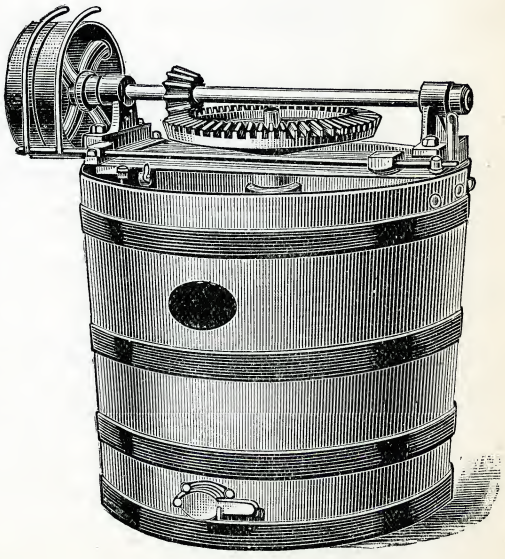
PRICE .... **£8 10s.**

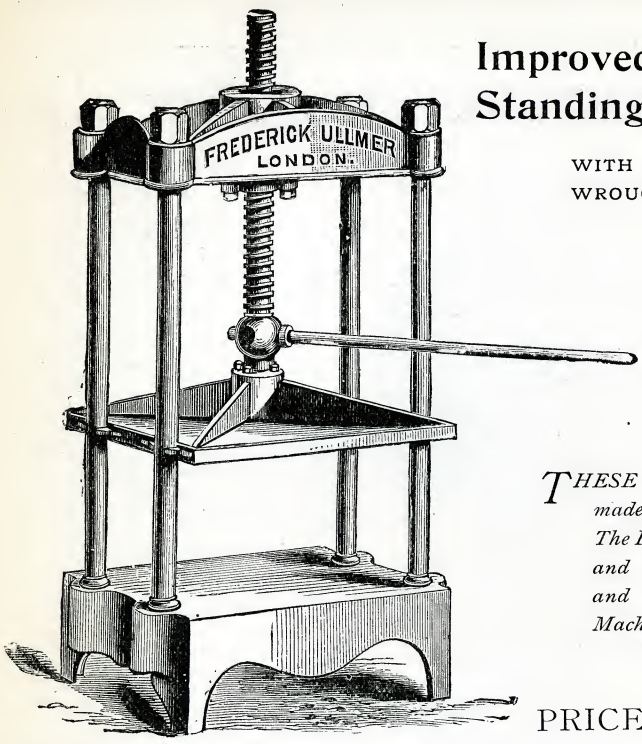
"Standard" Gum Mixing Machine.

For Hand or Power.

THIS Machine is very simple in its construction, effecting a great saving in labour as well as in Gum. It can be worked either by Hand or Motive Power. The tub is made of oak, with a strong upright spindle, geared to a crosshead which is very easy to propel, and can be worked by a boy, thus saving the laborious task of the old-fashioned method of gum mixing. It will be found that by this method the gum is of a more even consistency.

PRICE .... **£12.**





Improved Solid Iron Standing Press.

WITH FOUR WROUGHT-IRON PILLARS.

THESE Presses are strong, well made, and of great power. The Platen and Bed are planed, and the Wrought-Iron Screw and Brass Box are cut by Machinery.

PRICES:

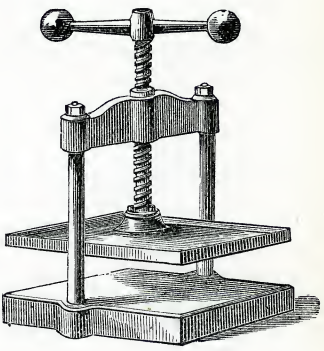
Demy size	20½ in. by 25 in.	2 in. Screw	£14 14 0
Double Foolscap ..	22 in. ,, 28 in.	3 in. ,, ...	20 0 0
Double Crown.. ..	26 in. ,, 31 in.	3¼ in. ,, ...	24 0 0

Small Iron Standing Press.

For Bench or Counter.

WROUGHT-IRON SCREWS.
PLATENS AND BEDS PLANED.

PRICES:



Platen 12 in. by 11 in.	£3 10 0
Do. 14 in. ,, 12 in.	4 5 0
Do. 18 in. ,, 12 in.	5 0 0
Do. 20 in. ,, 14 in.	5 10 0

Wood Standing Presses.

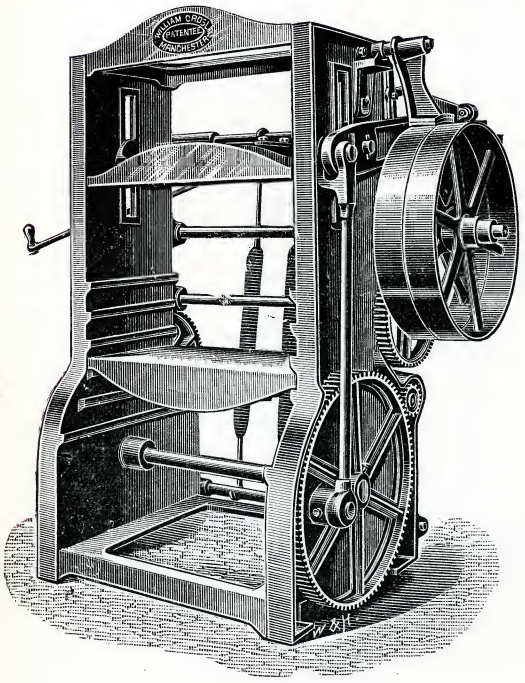
Manufactured of the best seasoned Wood, with Wrought-Iron Screw and Brass Box.

PRICES:

1½ in. Iron Screw Standing Press and Pin, to take	Crown ...	£7 0 0
1¾ in. ,, ,, ,, ,,	Demy ...	9 0 0
2 in. ,, ,, ,, ,,	Royal ...	12 10 0
Wood Blocks to fill in	each from	0 8 0

— CROSLAND'S PATENT —

Automatic Pressing Machine



FOR POWER.

For Pressing Books, Paper, or other Material.

COME AND INSPECT THIS MACHINE.
NOW ON VIEW AT
"STANDARD" WORKS,
CROSS STREET.

PRICES:

36 in. by 24 in. ...	£94	0	0
32 in. ,, 22 in. ...	60	0	0
22 in. ,, 15 in. ...	40	0	0

THIS Machine is intended to take the place of Hydraulic or Screw Presses, and has many advantages over either. The Machine is started with an ordinary strap-fork, and brings down the platen until sufficient pressure is obtained. A number of strong springs are then brought into action. When these springs have stretched a certain amount, they liberate a weight which at once moves the strap on to the loose pulley, and brings into operation a brake which holds the Machine in its position. The pressure can be left on as long as required, when, by lifting a lever, the platen rises to its original position.

The chief feature of this Machine is that the top platen will follow the work down as the air gets out, which gives it a great advantage over the Hydraulic or Screw Press. If the pressure is put on and left overnight, the platen will be found to be considerably lower in the morning.

The Machine is automatic. When the strap is put on, it can be left to put the required pressure without further attention, and will stop without fear of any breakage. By the use of springs each lot will get a uniform amount of pressure, yet this pressure can be altered for different classes of work. No water; no valves or packing leathers to get out of order.

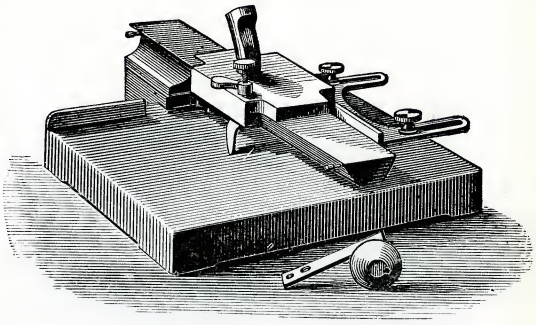
ANY AMOUNT OF PRESSURE CAN BE OBTAINED.

NOW IN USE BY

The "Ship" Bindery, London (3)
Sir J. Causton & Sons, London
Aldine Publishing Co., London
Ward, Lock & Co., London
E. Symmons & Son, Ltd., London
Blades, East & Blades, London
Iliffe & Son, Coventry
Birdsall & Son, Northampton
H. Blacklock & Co., Manchester (3)
Co-operative Wholesale Society (3)
Co-operative Printing Company
Waterlow & Sons, Ltd., Dunstable
Thos. Carter, Manchester (2)
J. Robertshaw, Sheffield
Seargeant Brothers, Abergavenny
McCorquodale & Co., Ltd., Leeds
Beck & Inchbold, Leeds
University Press, Oxford
B. Johnson & Co., York
R. Robinson & Co., Ltd., Newcastle
Cooper & Budd, Ltd., Peckham

— PATENT —

Card Scoring Machine.



THIS Machine is used for scoring Cards for folding, such as Programmes, Rules, Menu, and Club Cards, Advertisement Calendars, and Folded Cards of every description.

A young girl with this Machine can easily score 1,500 to 2,000 Cards per hour, without risk of spoiling, and all being perfectly scored to an equal depth.

This Machine is very simple, strong, and durable, and its working and management are easily learnt by a girl in a quarter-of-an-hour. The head and side guide, together with the method of guiding the knife, ensures perfect accuracy in the position and depth of the score, and thus prevents all waste.

For ordinary work the plain knives as shown are recommended; for highly glazed and enamelled cards, rotary knives are recommended.

All these qualities of Machines will do first-class work.

LIST OF PRICES:

		Quality A.	*Quality B.*	*Quality C, Plated.*
No. 1	To score 8½ in., Base Plate 9 in. by 10½ in. ..	£2 2 0	£2 15 0	£3 15 0
No. 2	,, 12½ in., ,, 13 in. ,, 17 in. ..	3 10 0	4 5 0	5 10 0
No. 3	,, 18 in., ,, 19 in. ,, 22 in. ..	5 5 0	6 0 0	——
No. 4	,, 26 in., ,, 27½ in. ,, 27 in. ..	7 5 0	8 0 0	——

Quality A is a plain partially-bright Machine, with square guide bar, supported at both ends.

Quality B is a bright Machine, polished all over, with V shaped adjustable guide bar, as shown above.

Quality C is a bright nickel-plated Machine, with V shaped overhanging bar. The nickel plating adds greatly to the appearance of the Machine, and also prevents rust or tarnishing, and ensures the greatest cleanliness in scoring.

These Machines can be mounted on a Stand, fitted with Treadle arrangement worked by operator's foot, at an extra charge of: No. 1 size, 30/-; No. 2 size, 45/-; No. 3 size, 55/-; No. 4 size, 65/-

One Plain Knife Holder with two Knives are supplied with each Machine.

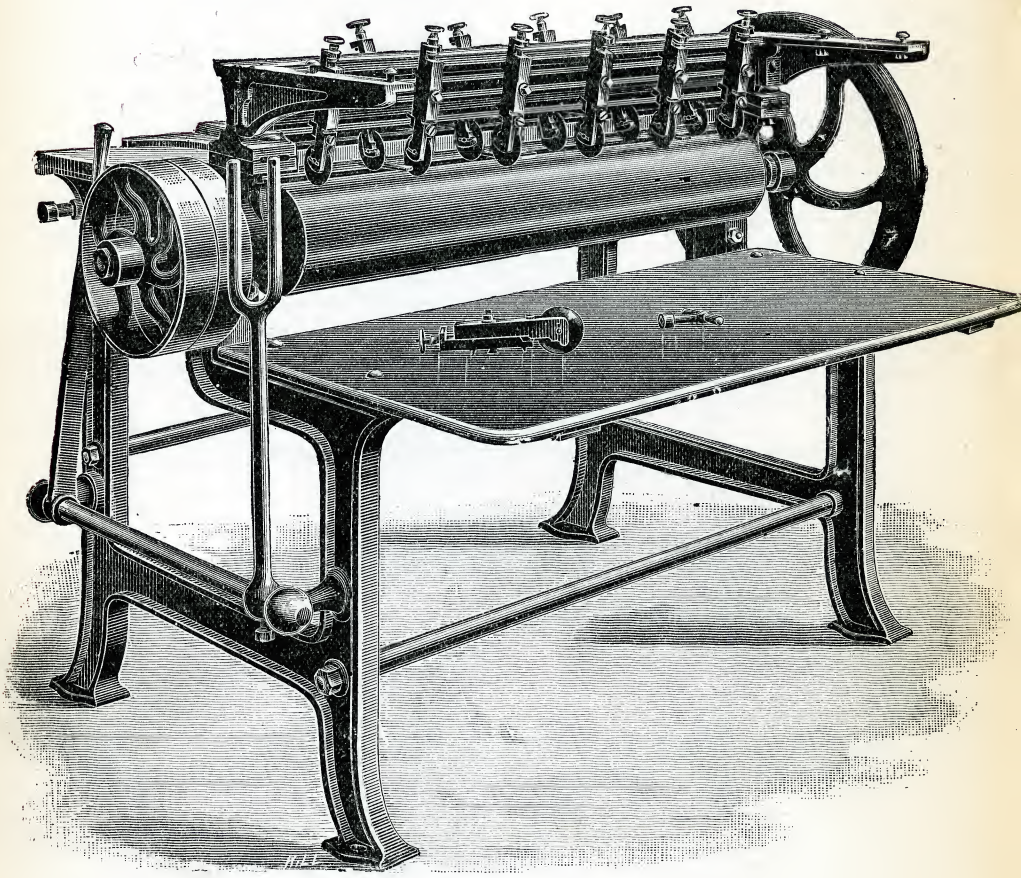
Plain Knife Holder ...	each, Sizes Nos. 1 & 2, 3/6;	Nos. 3 & 4, 4/6
Plain Knives	,, ,, ,,	1/-;	,,	1/3
Rotary Knife Holders	,, ,, ,,	9/6;	,,	11/6
Rotary Knives	,, ,, ,,	6/-;	,,	7/-

DIRECTIONS FOR USE. Place the card on the plate with the side to be scored upwards, the top edge of the card being against the head guide and the exact line of the fold being under the knife; then bring up the side lay against the side of the card and screw it down firmly. Adjust the knife for depth of score by means of its set screw, lock the screw with the fly nut, prove with a card, and then proceed to score, the knife always cutting in the out stroke towards the head guide, the card being removed before returning.

These Scorers are very largely used in London and the Provinces. Other Scorers, see page 142.

LATEST IMPROVED

Roller Scoring Machine.

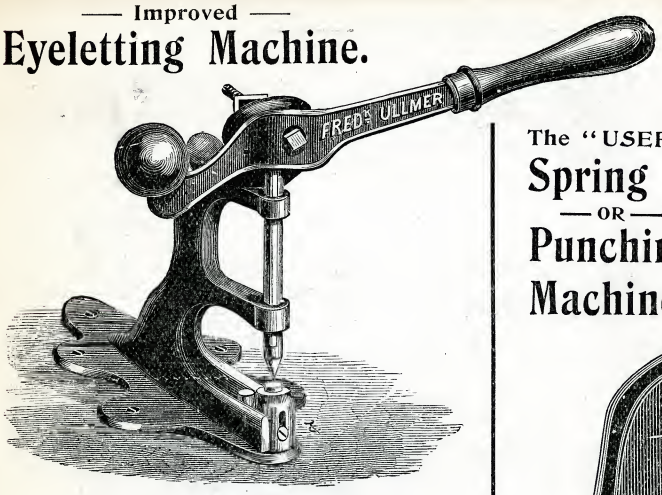


THE great advantage in this Machine is in the improved form of its cutter, which works with a fixed pivot, on double bearings, thus holding the cutter steady to its work, and ensuring a perfectly straight score. Another important point is that the cutter holders can be fixed on both sides of the slide bar, thus enabling a greater number of cutters to be fixed in a short space ; by this means three cutters can, if necessary, be set within half an inch. Small Boxes can be cut and scored out of a large sheet at one operation ; in some cases we have 30 Cutters working at once.

PRICES :	**14-inch, with 2 Cutter Holders**	..	..	**£12**	To be worked by either Power or Treadle; if for both **£1** extra.
	26 " 4 "	..	..	**£20**	
	36 " 4 "	..	..	**£25**	
	42 " 4 "	..	..	**£30**	

— Improved —

Eyeletting Machine.



No. 3.

A FAVOURITE! A USEFUL ARTICLE!
THOUSANDS SOLD! OVER 20,000 IN USE!

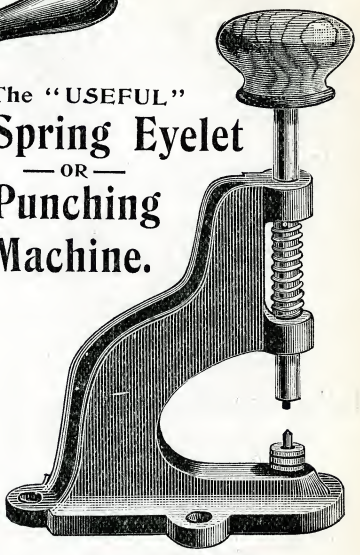
No. 1 Size—complete with three sizes of Punches, and Nipples for Eyelets £1 5 0

Eyelets for ditto (in boxes containing 1,000), per box, from **6d.**

Special Price for Large Quantities of Eyelets.

The "USEFUL"

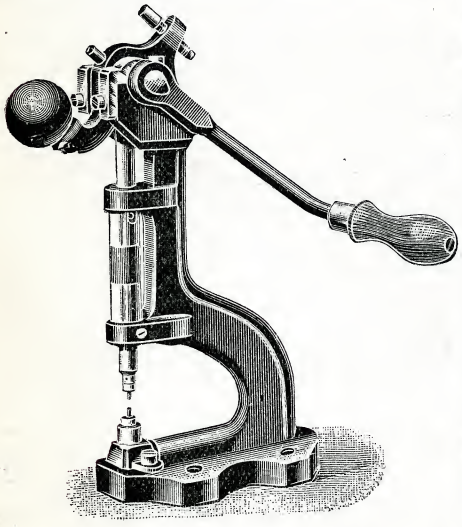
Spring Eyelet — OR — Punching Machine.



No. 1.

To either Punch or Close the Eyelet, 4/6 each.

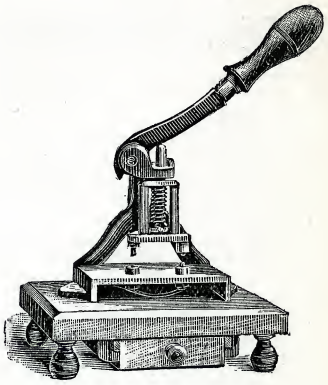
Large Hand Punching or Eyeletting Machine. *No. 4.*



A VERY POWERFUL MACHINE WITH EASE IN WORKING. STRONG AND RELIABLE.

PRICE £1 17 6

Handy Office Eyeletting Press. *No. 2.*



DOUBLE ACTION.
FOR LIGHT WORK.

On Polished Mahogany Stand, with Drawer ... 15/6

If without Stand and Drawer, 2/6 less.

IMPROVED

Self-Feeding Eyeletting Machine.

(No. 5.)

No waste of Eyelets with this Machine.

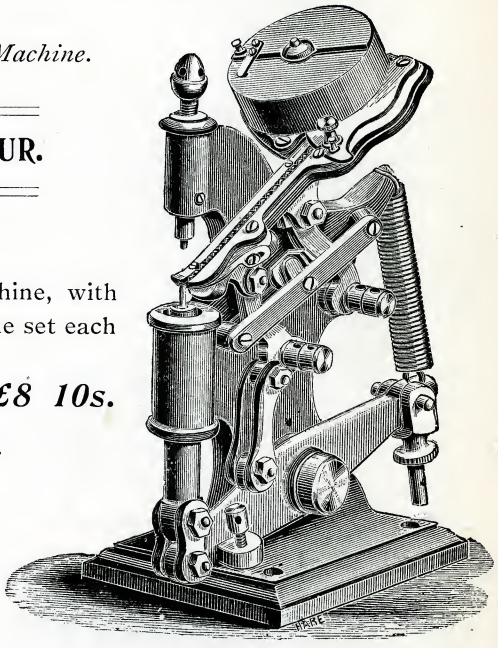
Speed: 3,000 PER HOUR.

PRICE:

Including wide gap treadle Machine, with foot board complete; with one set each Punching and Closing Dies,

£8 10s.

EXTRA DIES: *3/6* PER SET.



PERFECT FEED GUARANTEED.

FREDK. ULLMER, Ltd., manufacture or stock every description of

Printing Machinery,

and supply complete outfits from a

Bodkin to a Fine Art Machine!

Have you seen the "Standard Circular" lately? If not we will send you a copy on application.

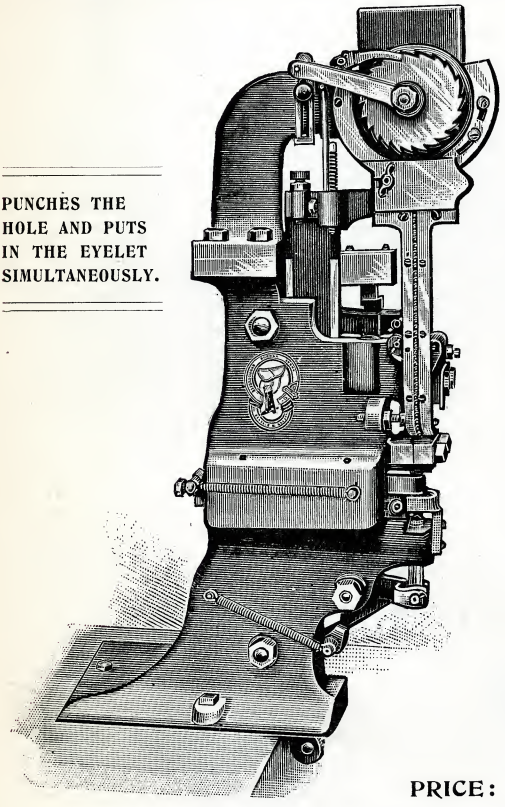
ESTABLISHED NEARLY A CENTURY.

A SERVICEABLE MACHINE!

"Single Stroke" Self-Feeding Punching and Eyeletting Machine.

(*Patented*)

PUNCHES THE HOLE AND PUTS IN THE EYELET SIMULTANEOUSLY.



WILL do work one-sixteenth of an inch in thickness. —— Distance can be varied from close to the edge to one inch from the edge of paper.

PUNCHES THE HOLE AND PUTS IN THE EYELET SIMULTANEOUSLY.

CAPACITY:
3,000 TO 4,000 PER HOUR.

PRICE:

Complete with Wood Table for show-card work, ***£16 10s.***

WE have every confidence in recommending this Machine to Printers and Stationers for eyeletting Labels, Show-cards, Calendars, &c.

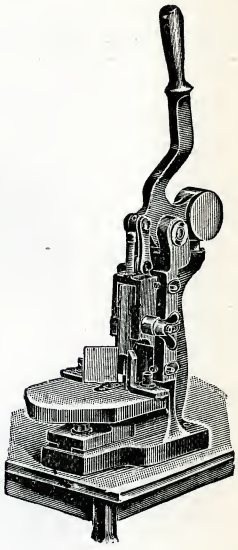
The special feature of the Machine is, that it punches and eyelets a hole at each stroke of the foot lever, and thus effects a saving of at least 50 per cent. in the cost of eyeletting when compared with work done on two machines, that is, one for punching and another for clenching the eyelets. The eyelets are poured into a box at the top of the Machine from which they are automatically fed to the clenching dies. This self-feeding mechanism is exceedingly simple and effective. It is scarcely possible for it to get out of order, and the eyelets are fed with certainty. When the Machine is required to do punching only, the supply of eyelets may be instantly stopped.

The Machine has a capacity of from 3,000 to 4,000 holes, punched and eyeletted per hour. It also has a very considerable range of work, including thin paper to thick board.

NOW USED BY VERY MANY OF THE LARGEST FIRMS IN THE UNITED KINGDOM.

Round Cornering Machine.

FOR BOOKS, CARDS, &c.



PRICE:

Including Two Sets of Knives, for $\frac{1}{4}$ in. and $\frac{3}{8}$ in. radius of rounding **£8**

For Steam Power ... ... **£15 10s.**

Will Cut a Maximum Thickness of 3 in.

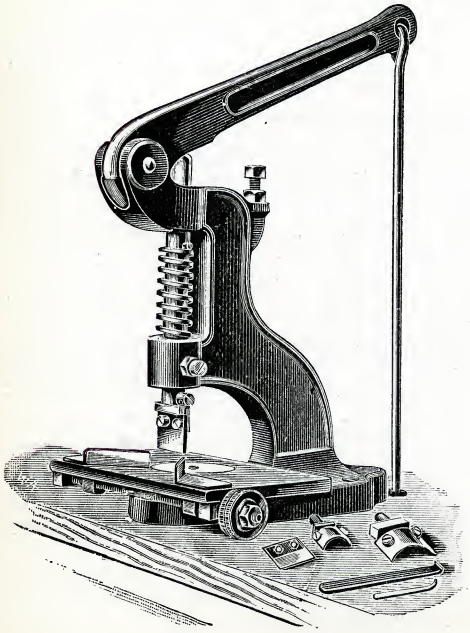
THE strong and accurate construction of this Machine secures a perfectly straight cut, leaving no burr, and it can be thoroughly relied upon.

This Machine may also be used for cutting straight corners of a maximum width of $\frac{7}{8}$ in. for which a special knife and angle for the table can be supplied at an extra cost of **22/6.**

A Cheap Machine.

New Improved

Treadle Corner Cutting Machine.



FOR STRAIGHT AND ROUND CORNERS.

PRICE:

Fitted with Two each Round and Straight Cutters, complete ... **£5 10s.**

We can also supply a cheaper one for **£4.**

The Gauges are adjustable and regulated by a milled nut for the depth of cut.

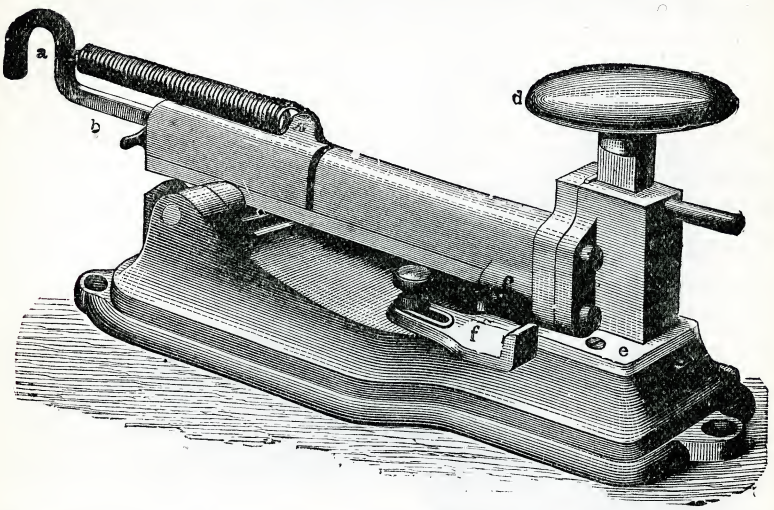
FOR STATIONERS, PRINTERS, LABEL MAKERS, &c.

FOR BOOKS, PAMPHLETS, CARDS, &c.

A Most Useful Machine for General Use.

No. 0. Hand Wire Stitching Apparatus.

For Stitching Cloth Patterns, Paper, &c.



This Machine will work 3 different sizes of Wire Staples and stitch through a maximum thickness of $\frac{5}{16}$ in. of Paper or Cloth.

Price = £1

INSTRUCTIONS FOR WORKING.

The Wire Staples are filled into the machine in the following manner:—Pull the rod **a** back until a little hole becomes visible on its side, and turn the hook **b** into it to retain the spring, then drive out the taper-pin **c** by a slight blow, and lift the entire top part off.

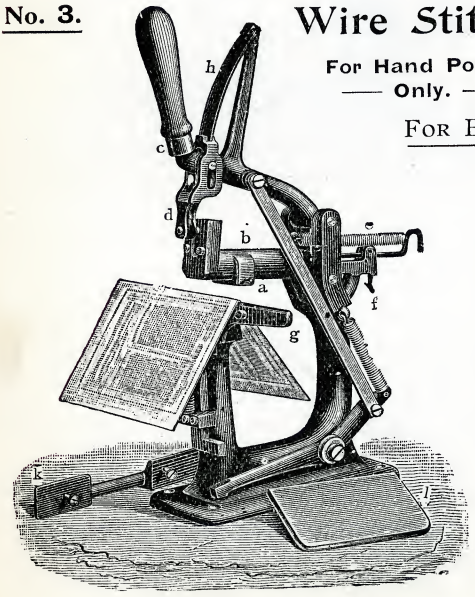
A wooden block containing staples is now held against the staple saddle and the staples slipped upon it. After seeing that the staples are straight and even on the saddle, replace the top part, drive the pin **c** in again, turn the hook **b** back and let rod **a** advance gently.

After the gauge **f** has been set so that the stitch will come into the desired spot of the work, the machine is quite ready for starting and is to be worked in the following way:—At first lift the top part by the stud sticking out of its front, place the work under it, pull the knob **d** as far as it will go, then let the top part rest upon the work and give a gentle blow with the fist upon the knob. This blow must be just powerful enough to thrive the staple through the work and clinch its ends. Of course thin work requires a slighter blow than thick work.

No. 3. Wire Stitching and Binding Machine.

For Hand Power — Only. —

For Books, Pamphlets, Catalogues, &c.



Price = £2 12 6

It is specially constructed to work extra thin wire staples, and will stitch pamphlets of one section through the centre of the fold, or bind books of several sections up to nearly a $\frac{1}{4}$ in. in thickness through the side, after the manner of stabbed work, at the rate of 700 to 1,500 books or pamphlets per hour on an average.

The Tinned Steel Wire Staples used in this machine are supplied in various sizes to suit thin or thick work, the prices ranging from $3\frac{1}{4}$d. to 4d. per 1,000. They are supplied on wooden blocks of about 400 each.

The wooden blocks are at first charged a $\frac{1}{4}$d. each, but when empty may be returned for refilling.

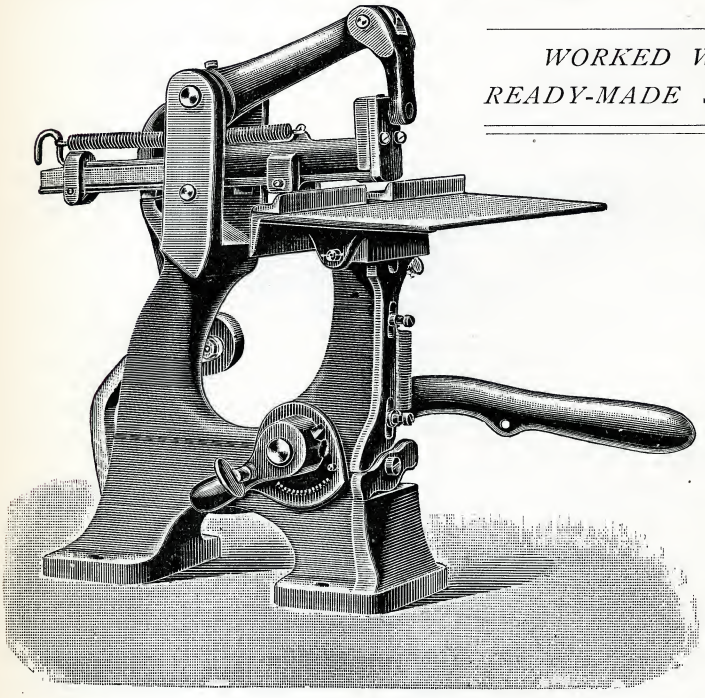
Staples can be had by return.

A Million always in Stock.

For Price of Staples see next page.

No. 3½

Patent Wire Stitching Machine.



WORKED WITH READY-MADE STAPLES.

FOR STITCHING BOOKS, PAMPHLETS, ETC., OF A MAXIMUM THICKNESS OF ONE-THIRD OF AN INCH.

ARRANGED BOTH FOR HAND OR FOOT POWER.

Price = £4 4s.

THIS Machine will stitch either through the centre of the fold or through the back, soft paper to a maximum thickness of ⅓ inch with thin staples of gauge 26, or hard paper of same thickness with stout staples of gauge No. 23. Being arranged for foot power the operator has both hands free for handling the books, and consequently can turn out the work very rapidly, especially as the Machine requires extremely little power.

Prices of Staples per 1,000.

No. 26	...	$\frac{3}{16}$ in., 3d.; $\frac{1}{4}$ in., 3¼d.; $\frac{5}{16}$ in., 3½d.; $\frac{3}{8}$ in., 3¾d.
No. 23	...	$\frac{3}{16}$ in., 3¼d.; $\frac{1}{4}$ in., 3½d.; $\frac{5}{16}$ in., 3¾d.; $\frac{3}{8}$ in., 4d.

The Staples are supplied filled on wooden sticks, which hold 400 of the thin ones or 300 of the stout ones. These sticks are charged ¼d. each, but may be returned for refilling.

☞ **A million Staples kept in stock for immediate delivery.**

PATENT AUTOMATIC

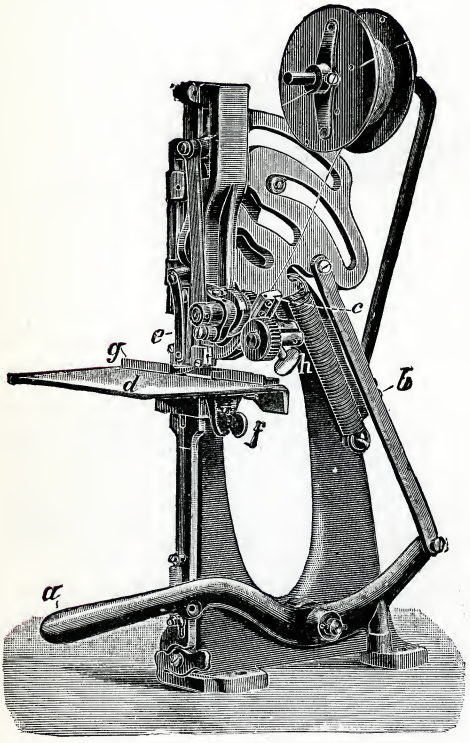
Wire Stitching and Binding Machine.

No. 7.

FOR HAND OR TREADLE POWER.

☞ **Takes the Wire direct from a Reel and makes its own Staples.**

Makes ONE size of Staples, and will stitch any thickness up to $\frac{3}{16}$ inch.



Mounted on Iron Stand, and fitted with a wooden polished Table and a Drawer for small tools.

PRICE :
£9

WEIGHT :
Net - - 99 lb.
Gross - 160 lb.

Without Iron Stand, Table, and Drawer, for screwing on a bench.

PRICE :
£7 10s.

WEIGHT :
Net - - 57 lb.
Gross - 92 lb.

This Machine will either stitch single sections through the fold, or bind books consisting of several sections to a thickness of $\frac{3}{16}$ inch by stabbing them through the side.

It will work wire from gauge No. 30 suitable for thinnest pamphlet work, to gauge No. 24, for books of $\frac{3}{16}$ inch thick.

The Machine effects a saving of from 60 to 75 per cent. in cost of the wire, as compared with the cost of ready-made staples used in the older Machines, the cost of wire for making 1,000 stitches being less than a halfpenny. Width of stitch is $\frac{5}{8}$ inch.

The wire is supplied wound on reels with iron flanges, which are charged at first but may be returned for refilling.

This cheap Machine is most carefully constructed in all its parts, which are of the very best material and first-class workmanship, being equal in every respect to the larger machines made by this firm.

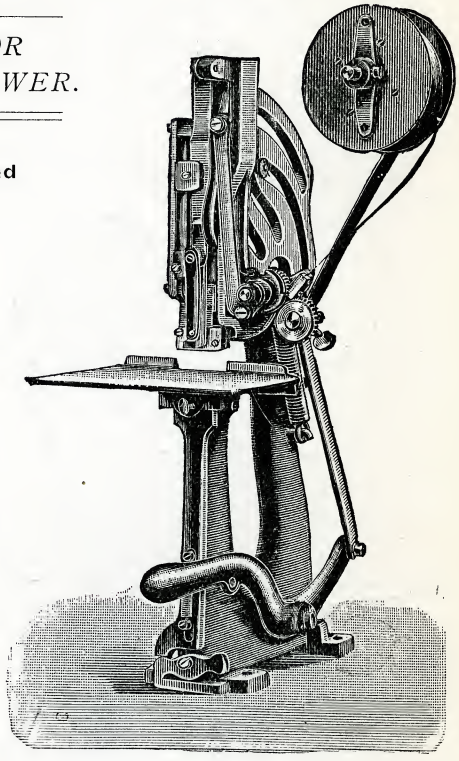
PATENT AUTOMATIC —No. 7b.—

Wire Stitching and Binding Machine.

FOR HAND OR TREADLE POWER.

Takes the Wire direct from a Reel and makes its own Staples.

Makes TWO sizes of Staples, and will stitch any thickness up to five-sixteenths of an inch.



PRICES:

Mounted on Iron Stand, and fitted with a wooden polished table and a drawer for small tools ... ...

£11 10 0

Without iron stand, table, and drawer; for screwing on a bench ... ...

£10 0 0

THIS Machine will either stitch single sections through the fold, or bind books consisting of several sections to a thickness of $\frac{5}{16}$ of an inch by stabbing them through the side. It will work wire from the finest gauge (No. 30) suitable for thinnest pamphlet work, to the coarsest (No. 21) for books of $\frac{5}{16}$ of an inch thick.

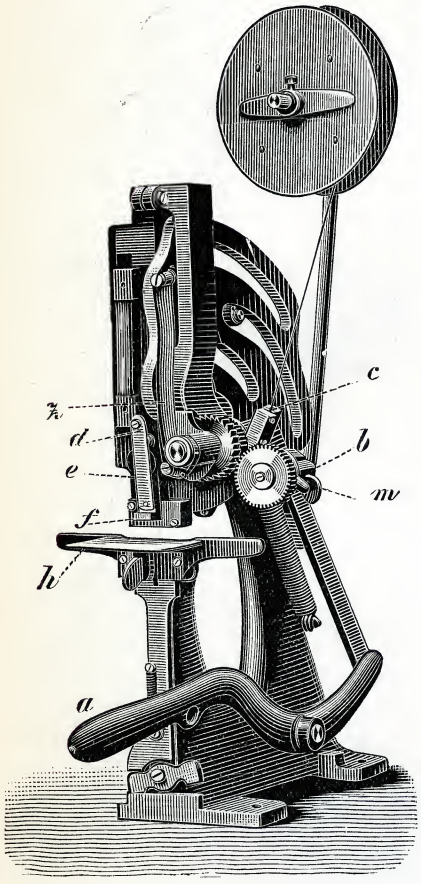
The Machine effects a saving of from 60 to 75 per cent. in the cost of the wire, as compared with the cost of ready-made staples used in the older Machines, the cost of wire for making 1,000 stitches being under $\frac{1}{2}$d. for thin work. This Machine is arranged to make two sizes of stitches; alteration from one size to the other can be performed in a few minutes. Width of stitches are $\frac{5}{8}$ inch for thin work and $\frac{1}{2}$ inch for thick.

The wire is supplied wound on reels with iron flanges, which are charged at first but may be returned for refilling.

THE MACHINE IS MOST CAREFULLY CONSTRUCTED IN ALL ITS PARTS, WHICH ARE OF THE VERY BEST MATERIAL AND FIRST-CLASS WORKMANSHIP.

PATENT AUTOMATIC — No 8. —

Wire Stitching and Binding Machine.



FOR HAND OR TREADLE POWER.

Takes the Wire Direct from a Reel and makes its own Staples.

Will Stitch any Thickness up to ½ inch.

PRICES:

Mounted on iron stand, and fitted with a wooden polished table and a drawer for small tools **£16 10 0**

Without iron stand, table, and drawer; for screwing on a bench **£15 0 0**

For Steam Power **£24 0 0**
For Steam Power and Treadle **£25 10 0**

THIS Machine will either stitch single sections through the fold, or bind books consisting of several sections to a thickness of ½ inch by stabbing them through the side. It will work wire from the finest gauge (No. 30) suitable for thinnest pamphlet work, to the coarsest (No. 20) for books of ½ inch thick.

The Machine effects a saving of from 60 to 75 per cent. in cost of wire, as compared with the cost of ready-made staples used in the older machines. This Machine is especially recommended for binderies where the bulk of the work is thin.

The wire is supplied wound on reels with iron flanges, which are charged at first but may be returned for refilling.

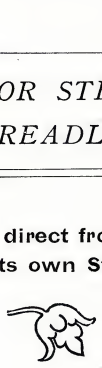
The Machine is most carefully constructed in all its parts, which are of the very best material and first-class workmanship.

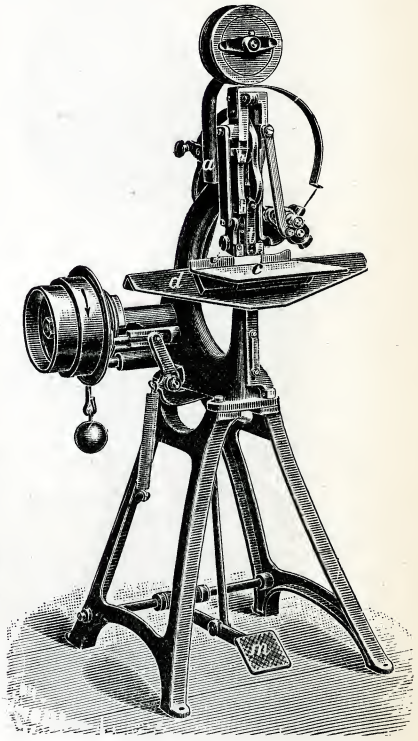
PATENT AUTOMATIC — No. 23. —

Wire Stitching and Binding Machine.

FOR STEAM OR TREADLE POWER.

Takes the Wire direct from a Reel and make its own Staples.





PRICES:

For Steam Power only ***£18 0 0***

For both Steam and Treadle Power ***£19 10 0***

To make two stitches at one stroke, **£6** extra.

THIS Machine will either stitch single sections through the fold, or bind books consisting of several sections by stabbing them through the side up to $\frac{1}{5}$ in. in thickness.

It will work wire from gauge No. 25 down to the finest gauge No. 30, and is therefore specially suitable for thin Pamphlet work, which it will stitch at a rapid rate, the large saddle supplied facilitating the quick feeding in of such work.

The Machine is simple in construction, and can be worked and kept in order by any boy or girl.

Exchange of parts has been avoided altogether.

The wire is supplied wound on reels with iron flanges, which are charged at first, but may be returned for refilling.

This Machine effects a saving of from 60 to 70 per cent. in the cost of the wire, as compared with Machines using ready-made staples.

It is most carefully constructed in all its parts, which are of the very best material and first-class workmanship.

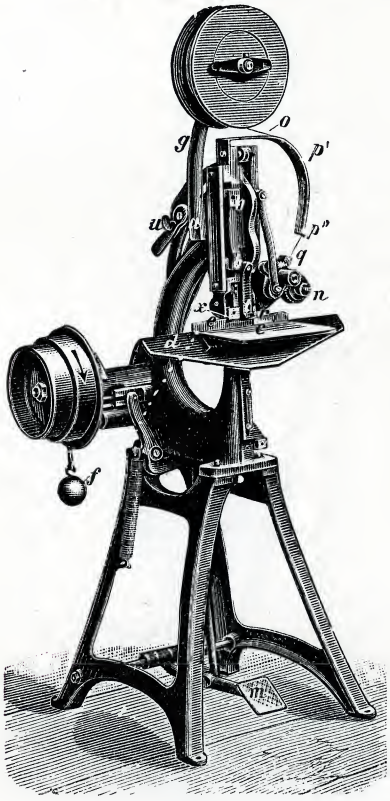
CAN BE SEEN IN OPERATION.

PATENT AUTOMATIC —No. 24.—

Wire Stitching and Binding Machines.

FOR STEAM OR TREADLE POWER.

Takes the Wire Direct from a Reel and cuts its own Staples.



PRICES:

For Steam Power only	**£24 0 0**
For both Steam and Treadle	**25 10 0**

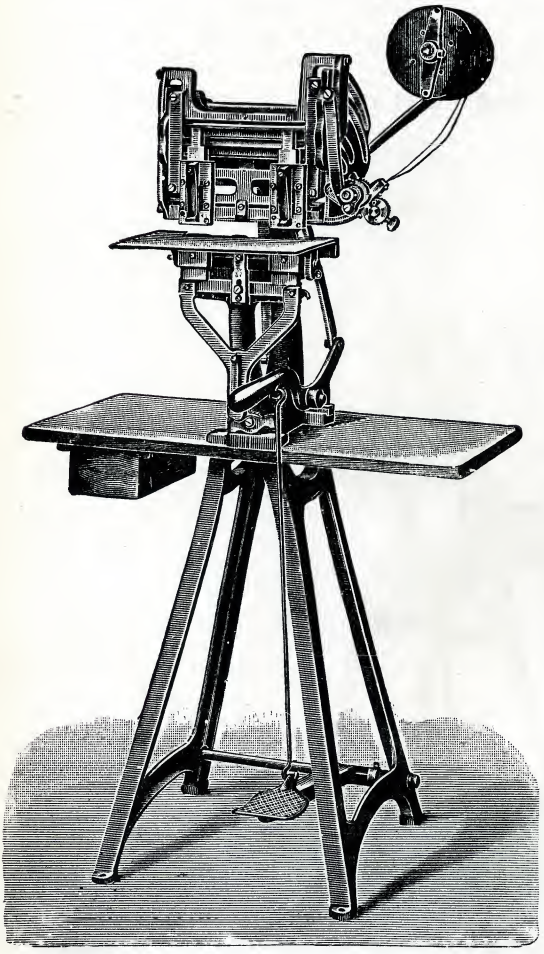
WEIGHT: Gross, 275 lb. Net, 187 lb.

THIS Machine will either stitch single sections through the fold, or bind books consisting of several sections by stabbing them through the side up to ½ in. thickness. It will work wire from gauge No. 20 to gauge No. 30, and is specially recommended for binderies where the bulk of the work is thin.

If required for extra wide papers, to be stitched through the fold, this Machine can be furnished with an enlarged frame, which will admit a width of 15 in. at an extra cost of **£3 10 0**

NEW PATENT AUTOMATIC — No. 34. —

Stitching and Binding Machine



Making Two Stitches at One Operation with Adjustable Distance between them.

PRICE :

Mounted on Iron Stand with wooden polished Table and Drawer.

£19 10 0

Without Stand and - - Table, but arranged to be fastened on a bench.

£18 0 0

FOR HAND OR TREADLE POWER.

Makes its own Staples.

THIS Machine will insert Two Staples at One Stroke and the distance between the centres of the stitches is adjustable from $2\frac{3}{4}$ in. to $6\frac{1}{4}$ in.

The Machine may be worked either making one or two stitches at a time.

It will either stitch single sections through the fold, or bind books consisting of several sections to a thickness of $\frac{5}{16}$ in. by stabbing them through the side.

It will work wire from the finest gauge (No. 30), suitable for the very thinnest work, to the coarsest (No. 21) for books of $\frac{5}{16}$ in. thick.

The Machine is arranged to make two sizes of stitches for thin and thick work, adjustment from one side to the other can be performed in a few minutes. Width of stitches $\frac{5}{8}$ in. for thin work and $\frac{1}{2}$ in. for thick.

It is specially designed for rapidly turning out books or pamphlets, and effects also a great saving in cost of wire as compared with that of ready-made staples used in the older machines, it being under $\frac{1}{2}$d. for stitching 1000 thin pamphlets.

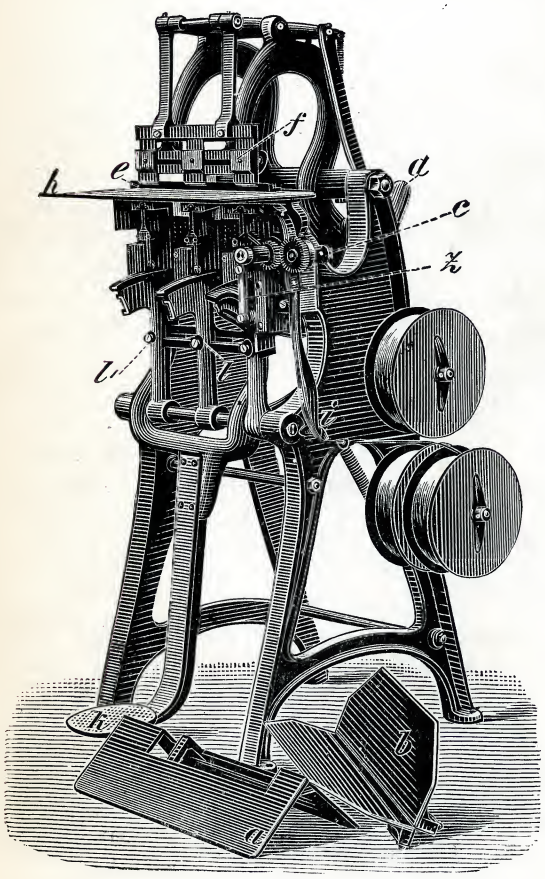
The wire is supplied wound on spools with iron flanges, at low price : spools (holding about 4 lb. of wire) will be charged at first 1s. each, but may be returned for refilling.

For Country places and the Colonies the permanent detachable spools are recommended. For these spools the wire is supplied wound in suitable coils to be slipped upon the spools, which therefore need not be returned for refilling. One of these spools is required for each thickness of wire used. Price of detachable spools 4s. each.

No. 21.

Automatic Wire Stitching Machine.

For Steam or for Treadle Power, making
Several Stitches at One Stroke,
Cutting its own Staples.



PRICES:

To make Two Stitches at once, for Steam Power
£47 10 0

To make Two Stitches at once, for Treadle Power
£45 0 0

To make Three Stitches at once, for Steam Power
£52 10 0

To make Three Stitches at once, for Treadle Power
£50 0 0

WEIGHT.

Two Head Machine, Net, 365 lb. Gross, 508 lb.

Three Head Machine, Net, 380 lb. Gross, 520 lb.

THE distance between the stitches is adjustable, the largest space between the two outer ones being 10 inches, and the smallest space from stitch to stitch, 3 inches.

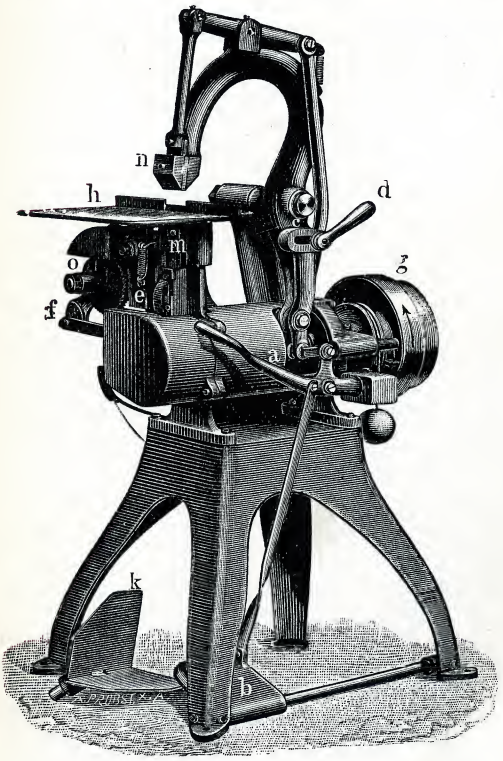
This Machine will stitch either through the side or through the fold, and any thickness of book, from thinnest up to ½ in. thick.

It is specially designed for rapidly turning out books or pamphlets where there are great numbers of one size.

Will work all gauges of wire from No. 28 to No. 20. Diameter of pulley, 13¾ inches.

PATENT AUTOMATIC — **No. 4a.** —

Wire Stitching and Binding Machine.



FOR STEAM POWER OR TREADLE.

TAKES the Wire continuously from a reel and makes its own Staples. ——— In consequence of a special contrivance for supporting the Staples, this Machine is — capable of piercing a given thickness with thinner wire than can be done by any other Stitching Machine.

A LARGE NUMBER OF THESE MACHINES HAVE BEEN SOLD, AND ARE GIVING THE GREATEST SATISFACTION EVERYWHERE.

PRICES:

For Steam Power	**£35**	**0**	**0**	WEIGHT { Net ... 200 lb. Gross ... 290 lb.	
For both Steam and Treadle	**£36**	**15**	**0**	WEIGHT { Net ... 250 lb. Gross ... 340 lb.	

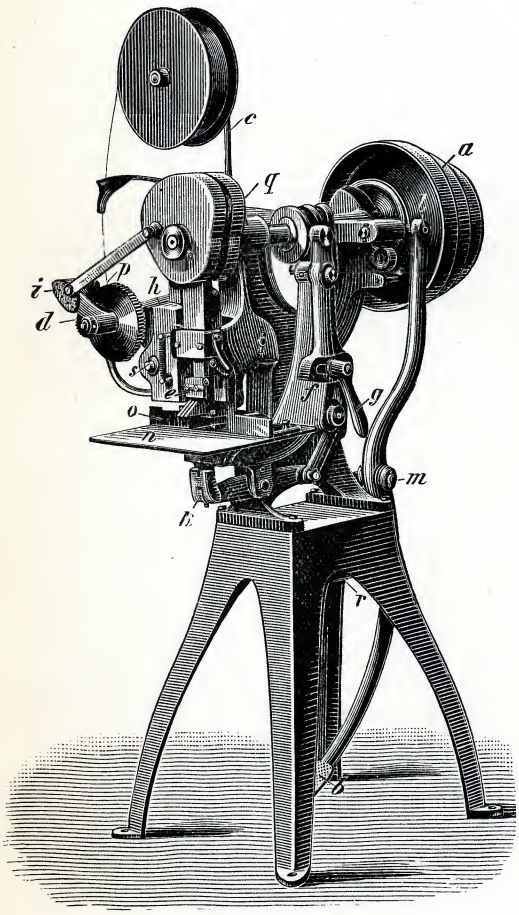
WILL STITCH ANY THICKNESS OF BOOK FROM THE THINNEST UP TO A THICKNESS OF THREE-QUARTERS OF AN INCH OF HARD PAPER, AND WILL WORK WIRE FROM GAUGE 30 UP TO GAUGE 20.

THIS Machine is suitable equally well for rapidly stitching all sorts of Pamphlets, Copy Books, Newspapers, &c., or for stabbing through the side Books consisting of several sections, as Catalogues, Time-tables, Cheque-Books, of a thickness up to ¾ in., and of the hardest paper. The speed being from 80 to 120 stitches per minute, the amount of work the Machine does is only limited by the operator's capability of feeding the books in, but at any rate it will turn out up to 5,000 Pamphlets per hour if an extra hand is given for picking up the sheets and placing them into the feeding trough.

The Machine is very simple, and there is **no exchange of parts when adjusting it** for the various thicknesses of Books and Wire.

PATENT AUTOMATIC **No. 10.**

Wire Stitching and Binding Machine.



For Steam Power, making its own Staples.

FOR STITCHING BOOKS, PATTERNS, &C., OF ALL SIZES UP TO THE GREATEST PRACTICABLE THICKNESS OF 1¼ INCHES.

PRICE - **£45.**

WEIGHT.
Gross - 570 lb. Net - 352 lb.

SPEED.
80 Stitches per minute.

A Special Saddle is provided for Stitching through the fold.

THIS Machine has been constructed principally for thick work, but can also be used for thinner work, although no wire thinner than gauge No. 25 must be employed, the stoutest, gauge No. 18, being used for the maximum thickness of 1¼ inches.

A handle, which can be fastened to the pulley, serves for driving the Machine by hand when there is no steam power.

The adjustment from one to the other of the ten different sizes of stitches is done in a minute

WITHOUT ANY EXCHANGE OF PARTS,

and is easy to learn.

No. 1.

Single Stroke Press.



PRICE 3/6 EACH.

No. 2.

Lever Staple Press.

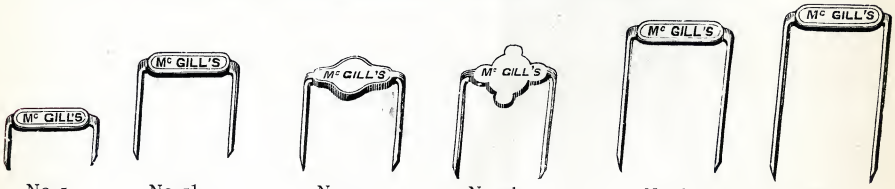


PRICE
10/6 EACH.

Bind papers and documents of all descriptions with both the Brass Fasteners and Wire Binders, insert and fasten Suspending Rings in Show Cards, Calendars, etc., and are adapted for all descriptions of light binding.

See also Press on page following.

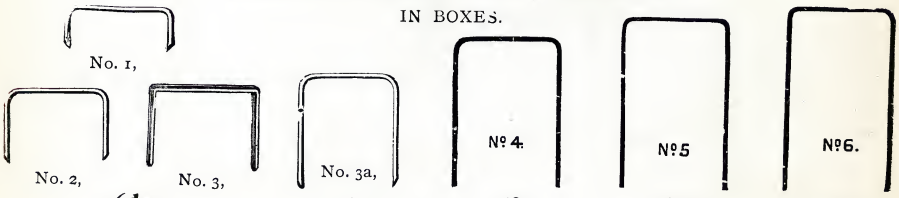
Brass Broadhead Staple Fasteners.



No. 1, **2/=**
No. 1½, **2/8**
No. 2, **3/4**
No. 2½, **4/=**
No. 6 **4/8**
No. 7 **6/= per 1000.**

Tinned Steel Wire Binders.

IN BOXES.



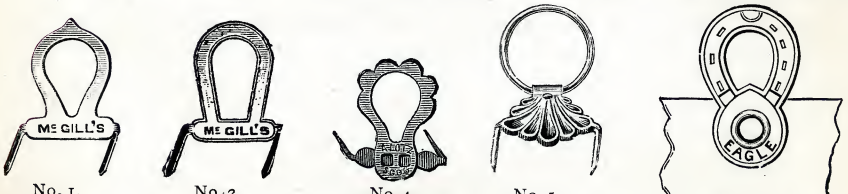
6d.
1/=
1/8
1/10
2/= per 1000.

McGILL'S "EAGLE"

Brass Staple Suspending Rings.

THE "EAGLE"

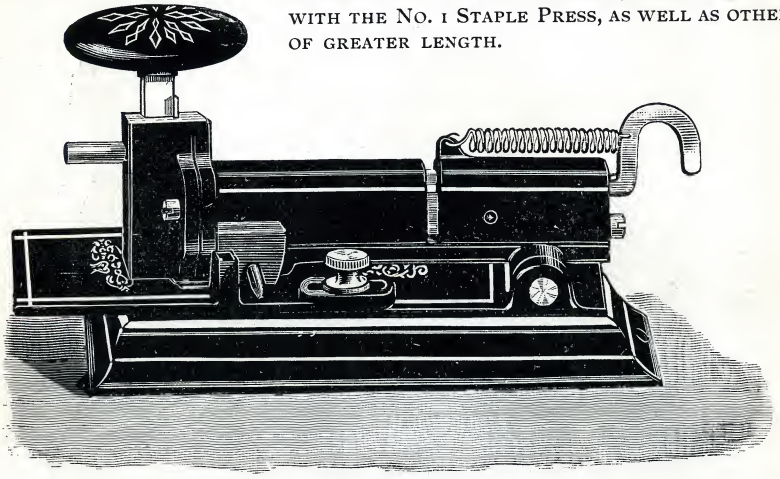
Eyelet Suspending Ring.



No. 1, **3/4**
No. 2, **3/5**
No. 4, With Revolving Ring, **4/8**
No. 5, With Loose Ring, **8/=**
No. 6, Horse Shoe Pattern, **3/6 per 1000.** Including Eyelets.

McGill's Improved Staple Presses

ARE ADAPTED FOR INSERTING ALL THE BRASS STAPLE FASTENERS, WIRE BINDERS AND SUSPENDING RINGS, WHICH ARE USED WITH THE NO. 1 STAPLE PRESS, AS WELL AS OTHERS OF GREATER LENGTH.



No. 4.

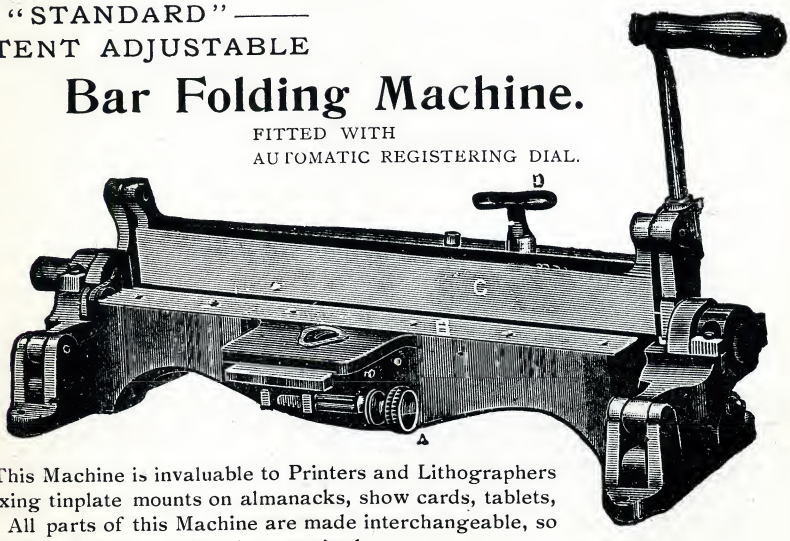
A Self-Feeding Machine, constructed with a receptacle to hold 85 Wire Staples, which it feeds automatically to the inserting mechanism. This Press has been designed specially for office use, for fastening together invoices, letters, vouchers, freight notes, declarations, or other documents, by means of Wire Staples. It is also extensively used for stabbing small books and pamphlets, and for binding samples of paper, cloth, etc.

PRICE **16/-**

—— "STANDARD" ——
PATENT ADJUSTABLE

Bar Folding Machine.

FITTED WITH
AUTOMATIC REGISTERING DIAL.



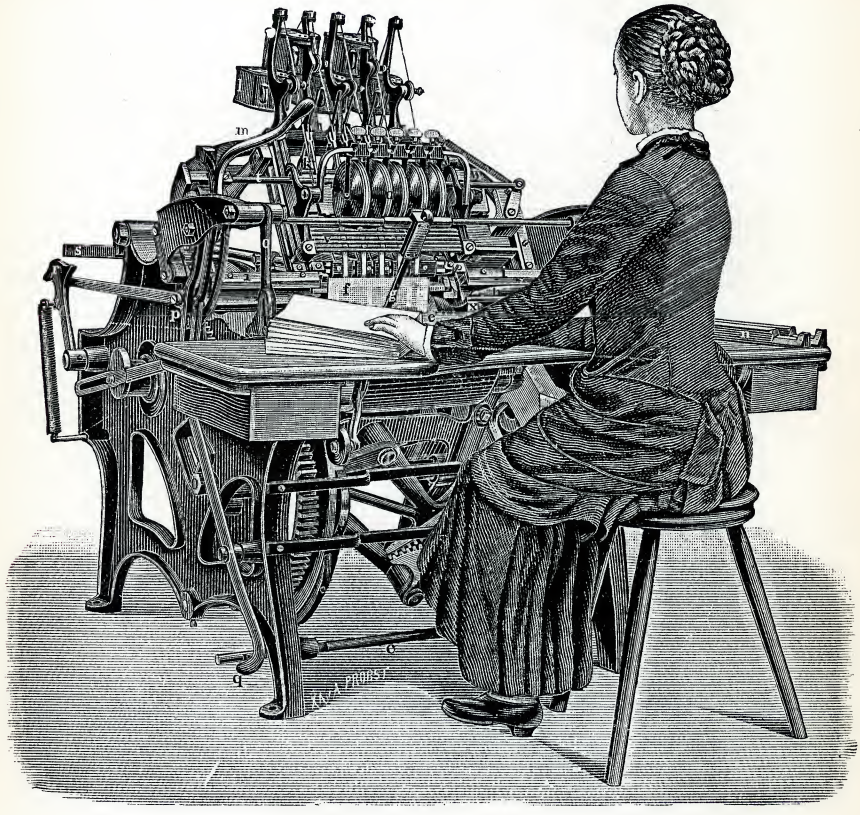
This Machine is invaluable to Printers and Lithographers for fixing tinplate mounts on almanacks, show cards, tablets, etc. All parts of this Machine are made interchangeable, so that any part can be replaced as required.

PRICES:

To take 20 in. sheet, **£13 10s.** To take 30 in. sheet, **£18.**

No. 16.

Patent Thread Book Sewing Machine.



MADE IN TWO SIZES.

OCTAVO, for books 11 inches long, and 8 inches deep **£165**
FOOLSCAP, ,, $14\frac{3}{4}$,, $9\frac{3}{4}$,, ... **£190**

THIS Machine will sew books on either tape, cord, or canvas, and on from two to five Bands with adjustable space between them. The quickest speed of the small Machine is 48 stitches per minute, and 42 of the larger one. Discounting all necessary stoppages, from 60,000 to 80,000 sections can be turned out on an average in one week (54 working hours).

Special Advantages.

A number of books can be sewn without being removed from the Machine, as a wooden block of a certain width, determined by the length of the slips of the Bands, is placed between every two books, and with the aid of these blocks the separating and cutting out of the books is made a very quick process, an advantage not to be found with other machines, where the books come out in a lump and must be separated, and the Bands pulled to the desired length by extra hands afterwards

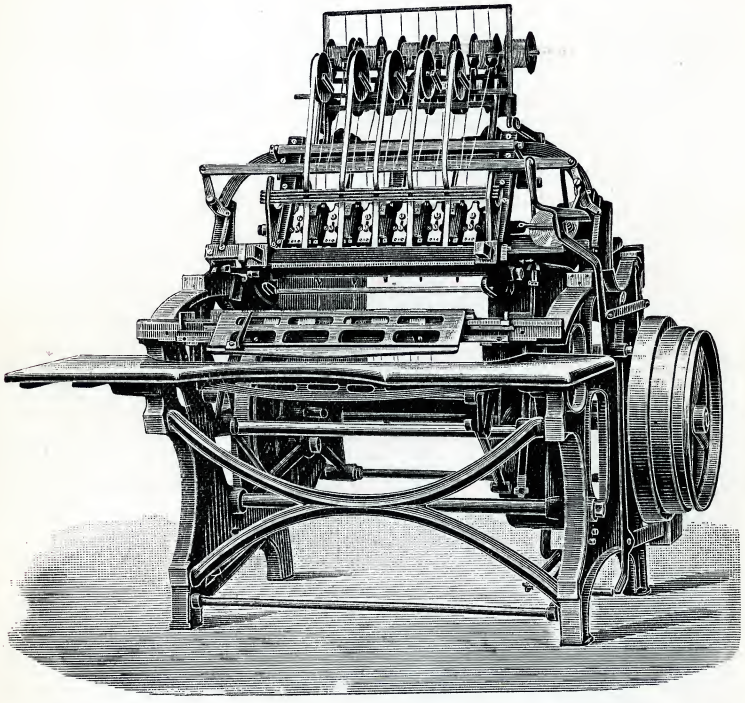
The needles being straight are not liable to frequent breakages, and the Machine requires hardly any repairs, being of a substantial and solid make.

The Machine sews the sections with single thread all along inside and forms kettle stitches at each end of the book. The thread being supplied by three alternately working shuttles, there appears always a different thread in every following section, so that in the event of a thread being cut in one section, the neighbouring sections will not be affected by this, and remain safe.

SEVERAL HUNDRED OF THESE MACHINES HAVE BEEN SOLD.

— No. 33. —

Patent Thread Book Sewing Machine.



Price = £240.

THIS Machine is specially intended for the sewing of account books, from a royal ledger of 21 inches down to the smallest pocket book, of which five can be sewn at one time and cut asunder afterwards, each band being sewn with a kettle stitch at each side, thus being independent of the neighbouring bands.

The space between bands and kettle stitches, as well as the space between the bands, can be adjusted as required.

Tapes of either $\frac{5}{8}$ in., or 1 in. wide can be used.

Speed 30 to 36 sections per minute.

This Machine working with a double thread, no cuts at head and tail of book are necessary.

WIRE.

Price from 6d. per lb. No. 21, to 10d. No. 30.

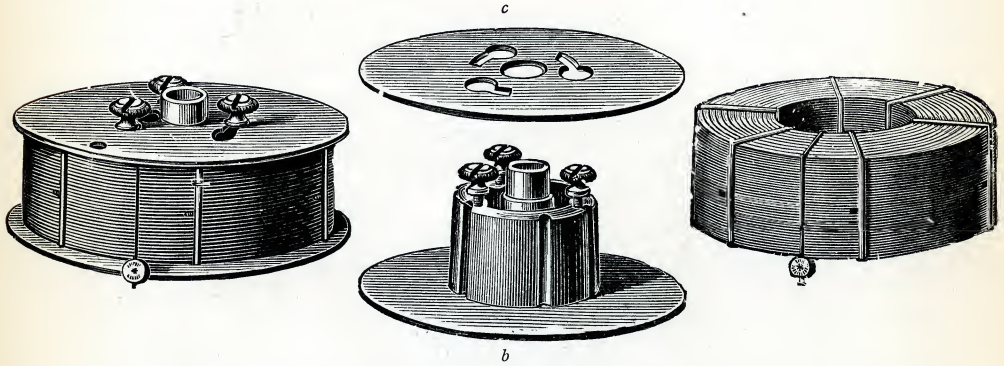
A STOCK ALWAYS IN HAND FOR PROMPT DESPATCH.

We supply wire specially made for use on Wire Stitchers, and guaranteed to be suitable quality, neither too soft nor too brittle. We only supply the very best quality that we can recommend.

The wire is supplied wound on spools, either on small ones holding about 4 lb. each, or on large spools holding about 12 lb. each.

The small spools are charged **1/-** each, and the large spools **2/-** each, and can be returned (freight paid) for refilling.

For the convenience of Country Customers and Exporters, the wire can be wound in coils to fit the *detachable spools*, as illustrated below.



Remove flange "*c*," slip coil of wire on the spool, the binders of the wire to pass into the grooves in the body of the spool "*b*," then fasten the flange on the top, cut the binders, turn them well back, or draw them carefully out altogether, and the spool is ready for use. For each thickness of wire used, a detachable spool is required, as the wire is liable to get out of order if it is removed. For refilling these spools, the wire is supplied in coils, which does away with all returning of spools. These detachable spools are charged **4/-** each.

YOU MAY RELY ON US TO SERVE YOU WELL.

When you want repairs done to any of your

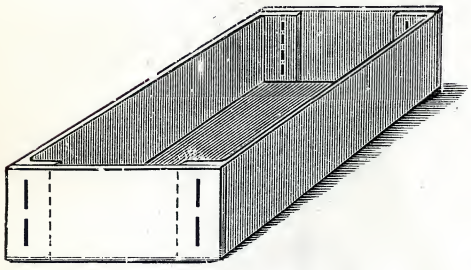
Wire Stitching Machines, Printing Machines, Presses, Litho Machines, Gas Engines, Motors, or Shafting; or your Plant Removing,

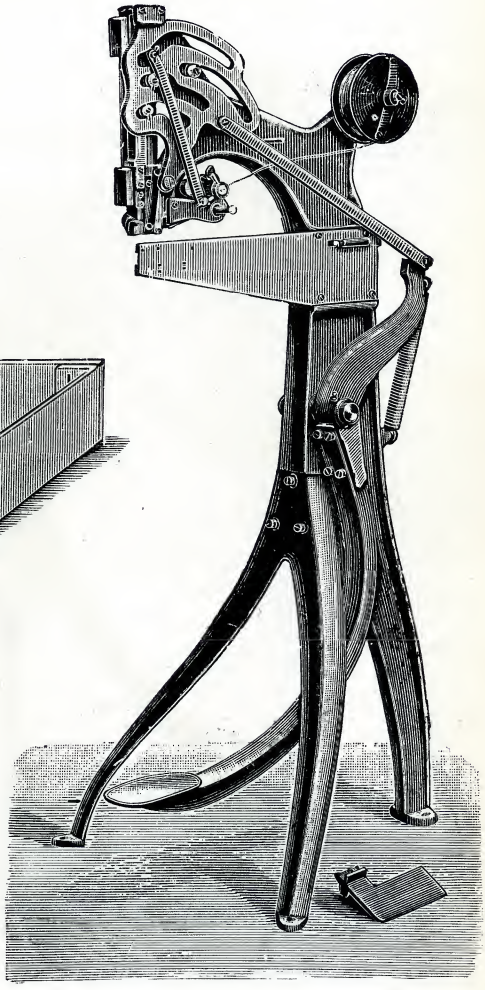
send to us at once. We have a staff of thoroughly competent and experienced hands for that class of work, and we will serve you honestly and well, and save you money.

— No. 12. —

Patent Wire Stitching Machine.

(For connecting and securing the joints of flat or tubular boxes lengthwise.)





PRICES:

For Treadle Power **£20.**
For Steam Power **£24.**

WEIGHT { Gross - 212 lb.
Net - - 125 lb.

THIS Machine will stitch boxes of a maximum depth of 12½ in., and of a smallest width of $\frac{7}{16}$ in., and of 28 in. length. It is usually made to produce a staple of $\frac{5}{16}$ in. wide, and stitch any thickness up to ¼ in., but if desired it can also be specially arranged to make the staple only ⅜ in. or ¼ in. wide, when of course the maximum thickness will only be $\frac{3}{16}$ in. or ⅛ in. respectively.

Should the Machine be wanted to make several widths of staple, the extra price for each extra width would be £4.

If desired, the machine can be made with an extra long arm and heavier frame, so that boxes of the large depth of 20 in. can be stitched on it.

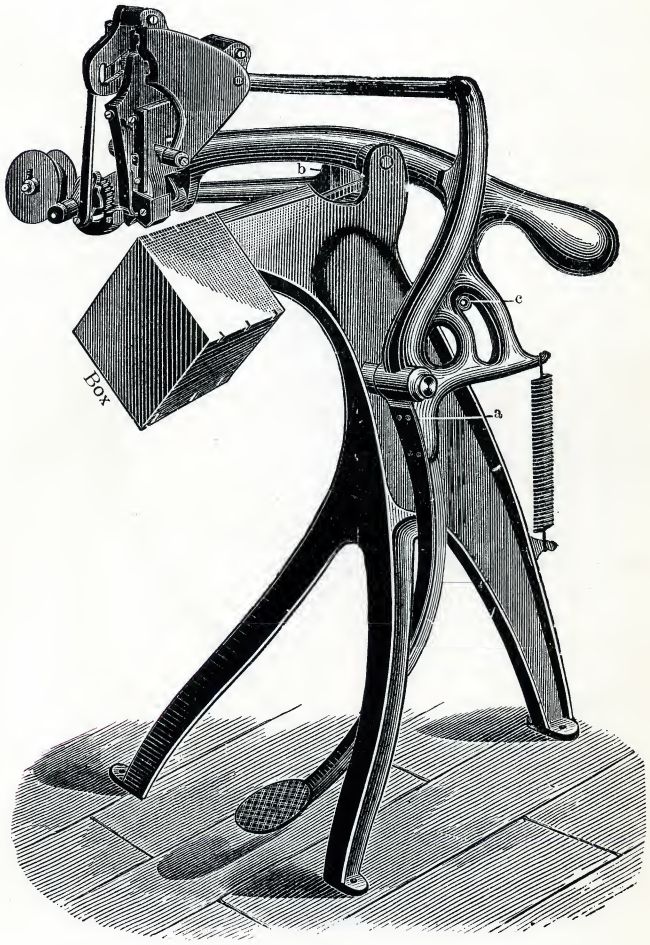
The Price of this Enlarged Machine is £24 (for Treadle only).

This Machine can also be used for stitching books or pamphlets, and takes the wire continuously from a reel. It is made of the very best material and most accurate workmanship, so that it is not liable to repairs.

Patent Wire Stitching Machine.

FOR SECURING THE CORNERS OF CARDBOARD BOXES.

No. 19.



PRICE.

Arranged for Treadle - **£30.** Arranged for Power - **£32 10s.**

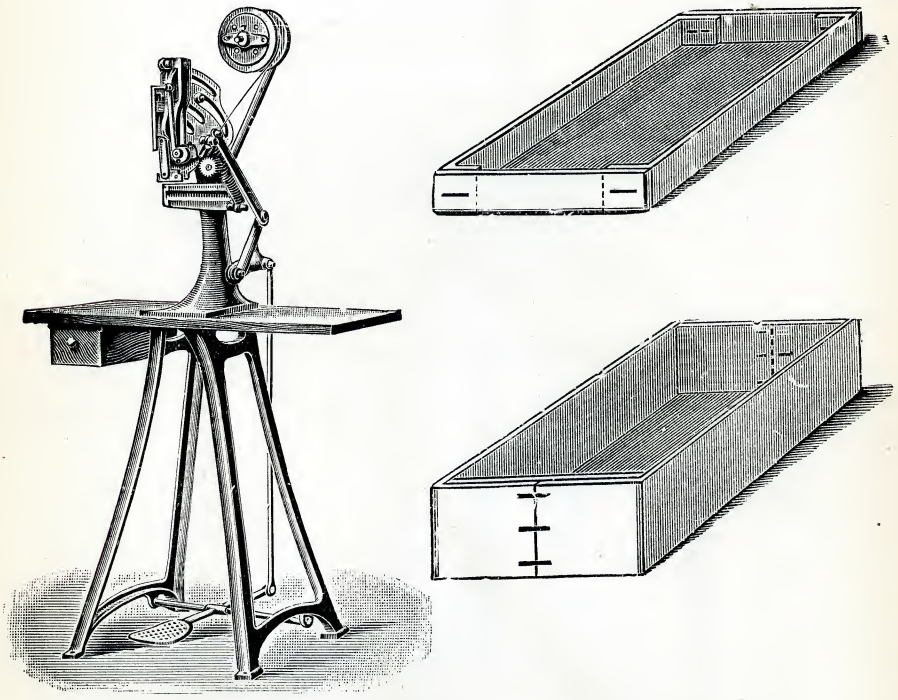
WEIGHT: Gross, 290 lb. Net, 196 lb.

THIS Machine will work a wire continuously from a reel. It will stitch boxes of a maximum depth of over 12 inches, and of any length, and the wire will be tightly clinched and pressed into the cardboard, so that the ends of the stitch will be level with it and not stick out. It is of simple construction, and not liable to quick wear or to get out of order. It requires little power, so that a girl is able to work it the whole day.

— No. 28. —

Patent Wire Stitching Machine.

FOR FLAT CARDBOARD BOXES.



PRICES:

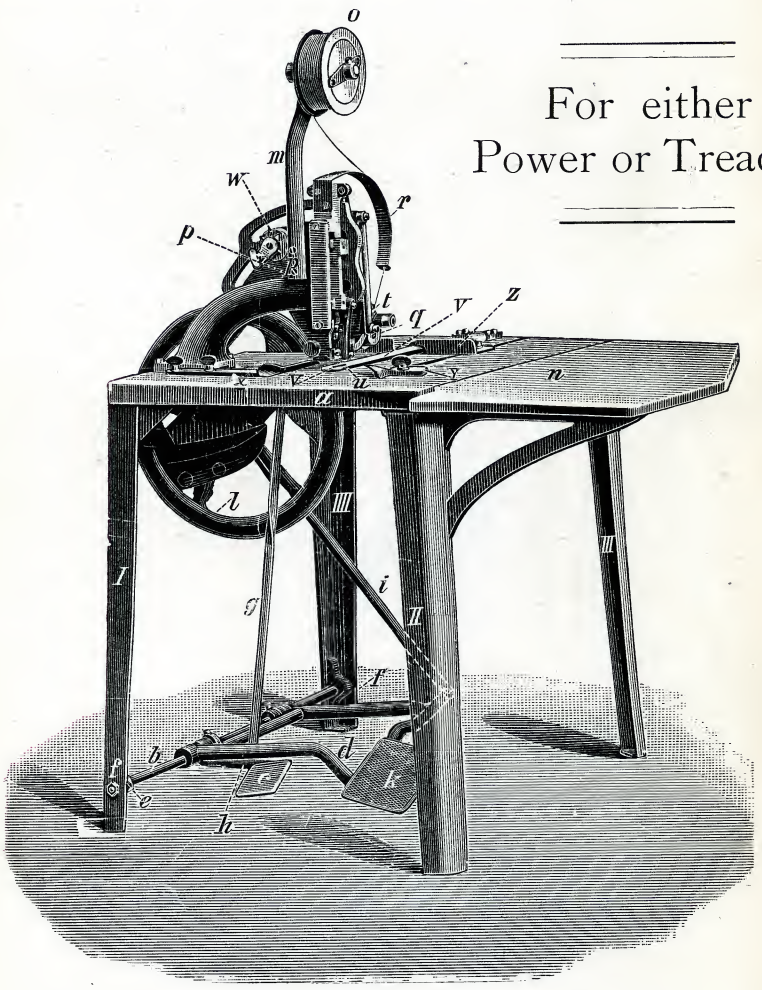
Machine arranged for Treadle, with Table and Drawer ...	*£10*	*10* *0*
,, ,, without ,, ...	*9*	*0* *0*
,, Power	*18*	*0* *0*

THIS Machine works the wire continuously from a reel and cuts its own staples. It works round wire of gauges Nos. 26, 25, and 24, or also flat wires, Nos. I, II, and III, and will stitch through any thickness of cardboard up to a 3 lb. board; it will admit of boxes of a maximum depth of 6½ inches. This Machine is usually arranged to make stitches the width of crown, being ⅝ in., but if desired it can also be supplied to make stitches ⅜ in. or ¼ in. wide, but of course in the latter cases, the stitches being shorter, it will only be suitable for thinner cardboards of a maximum thickness of 1½ lb. and 1 lb. respectively. This mode of stitching boxes is very economic, the work being very rapid and the cost of the wire not more than about ¼d. for 1,000 stitches.

No. 29.

PATENT

Folding Box Wire Stitching Machine.



For either Power or Treadle.

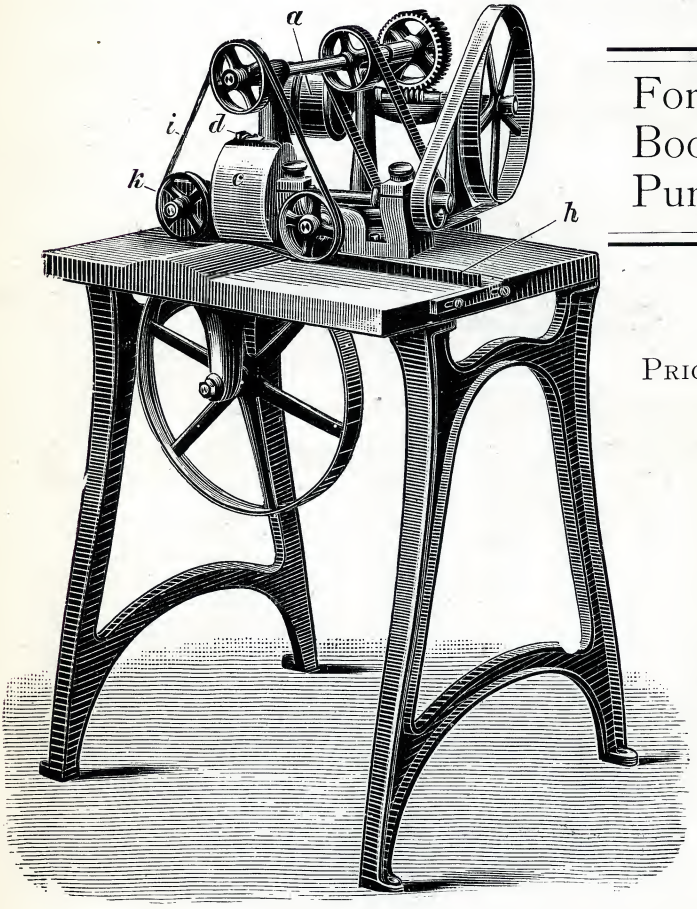
PRICE.

Either for Power or Treadle	....	**£25**
Both for Power and Treadle	....	**£28**

THIS Machine will stitch cardboard folding boxes at the very rapid rate of 160 stitches a minute. It takes the wire direct from a reel, and is of simple construction, accurately made, and not liable to get out of order.

No. 30.

Patent Machine for Paring the Edges of Leather.



For Bookbinding Purposes.

PRICE - **£30.**

WEIGHT.

Gross ... 507 lb.
Net ... 420 lb.

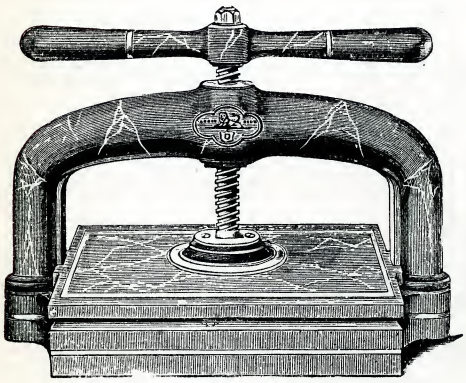
PARING the edges of leather by hand has formally been difficult and tedious work, and a want has been felt by bookbinders for a machine which will simplify and quicken this operation. It is of simple construction, and suitable for all qualities of leather, excepting the very softest and spongiest kinds. It is easily adaptable for paring the edges of various widths, and also for the different thicknesses. This Machine at one operation pares a width of $\frac{5}{8}$ in., and if after setting gauge *"h"* the leather is fed through a second time, width of $1\frac{1}{4}$ inches can be pared.

The work done by the Machine is more even and of greater regularity than handwork, and is turned out at least three times as quick.

Over 30 Machines are in operation in the United Kingdom, giving great satisfaction.

"STANDARD"

Improved Copying Presses.



With Cast-Iron Beams, Black Marbled Japan, Iron Washer, and Brass Nut.

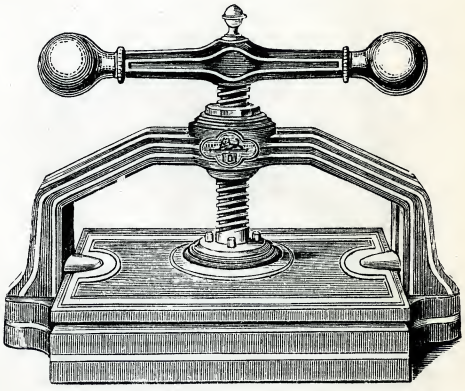
Prices:

No. 1	11 in. by 9 in. ...	£0	18 6
No. 2	12 in. ,, 10 in. ...	1	1 0

Best Make and Machine Planed.

No. 3	Quarto, 12 in. by 10 in.	1	7 6
No. 4	Foolscap, 15 in. by 10 in.	2	0 0
No. 5	Folio, 18 in. by 12 in.	2	15 0

Wrought-Iron Beams, Superior Finish, Bronze Filleted, Brass Washers on Beam and Plate, Ears, Knob and Ball Handle.



EXTRA STRONG.

No. 6	Quarto, 12 in. by 10 in.	£3	0 0
No. 7	Foolscap, 15 in. by 10 in.	4	0 0
No. 8	Folio, 18 in. by 12 in. ...	5	10 0

For Railway and Public Companies.

No. 9	24 in. by 18 in.	12	0 0

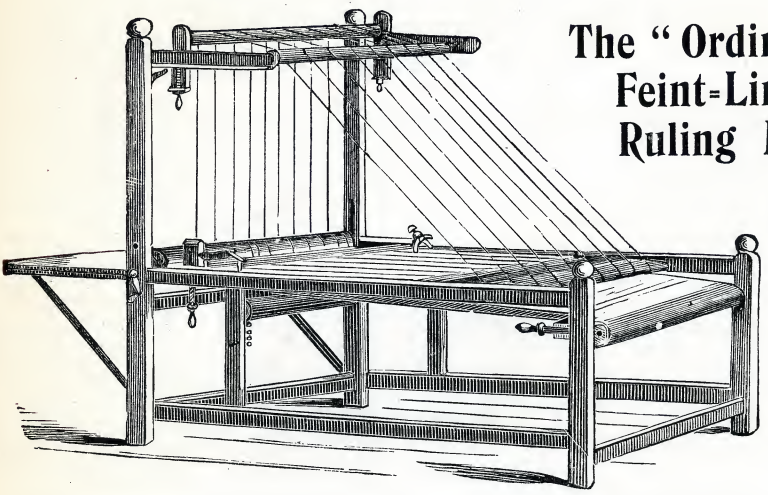
MAHOGANY

Stands for Copying Presses.

FRENCH POLISHED.

Quarto, with one Drawer, without Flaps	£1	5 0
Foolscap ,, ,, ,, ...	1	9 0
Folio ,, ,, ,, ...	2	0 0
Quarto, with two Drawers, with Flaps	1	17 6
Foolscap ,, ,, ,, ...	2	2 6
Folio ,, ,, ,, ...	2	8 0
Water Wells ... ... single, 1/9; per dozen	0	18 0
Camel Hair Damping Brushes ... ... each 1/3	0	1 8
Copying Ink ... ... per quart	0	2 6
Oiled Sheets, Quarto ... ... per dozen	0	1 0
Ditto Foolscap ... ... ,,	0	1 8
Ditto Folio ... ... ,,	0	2 0

Ruling Machine Department.



The "Ordinary" Feint-Line Ruling Machine.

Specially Designed for all kinds of Job Ruling in a Small Office.

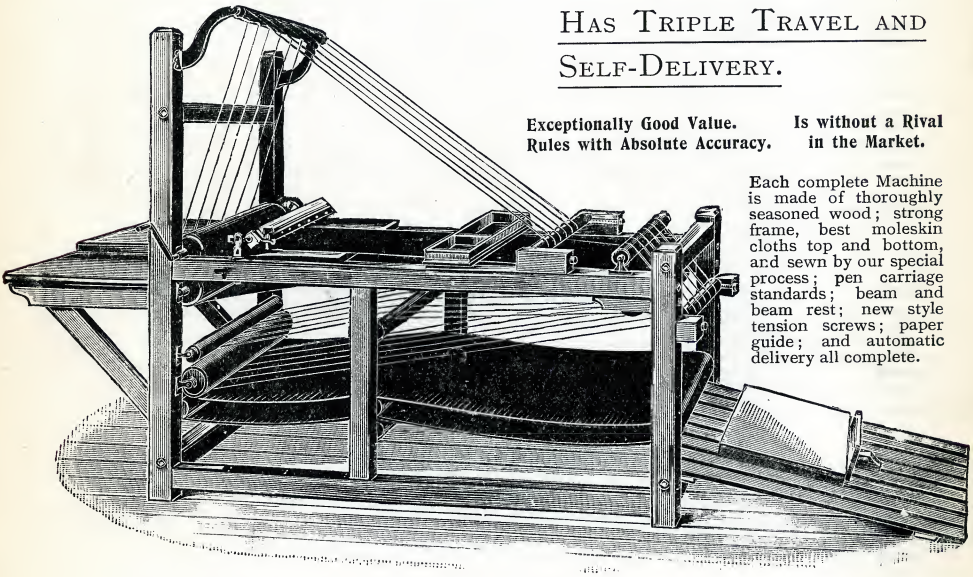
36 in. wide between Frame, plain deal frame, iron fittings, cloth width						30 in.	...	£9	10 0
42 in.	,,	,,	,,	,,	,,	36 in.	...	11	10 0
48 in.	,,	,,	,,	,,	,,	42 in.	...	13	10 0

If with two cloths and self-delivery, 25 per cent. extra.

The "Standard" Greatly Improved Small Job Ruler.

Has Triple Travel and Self-Delivery.

Exceptionally Good Value. Rules with Absolute Accuracy. **Is without a Rival in the Market.**



Each complete Machine is made of thoroughly seasoned wood; strong frame, best moleskin cloths top and bottom, and sewn by our special process; pen carriage standards; beam and beam rest; new style tension screws; paper guide; and automatic delivery all complete.

It is rapid, noiseless, and the register perfect.
The construction is simple, but substantial. Has every convenience.

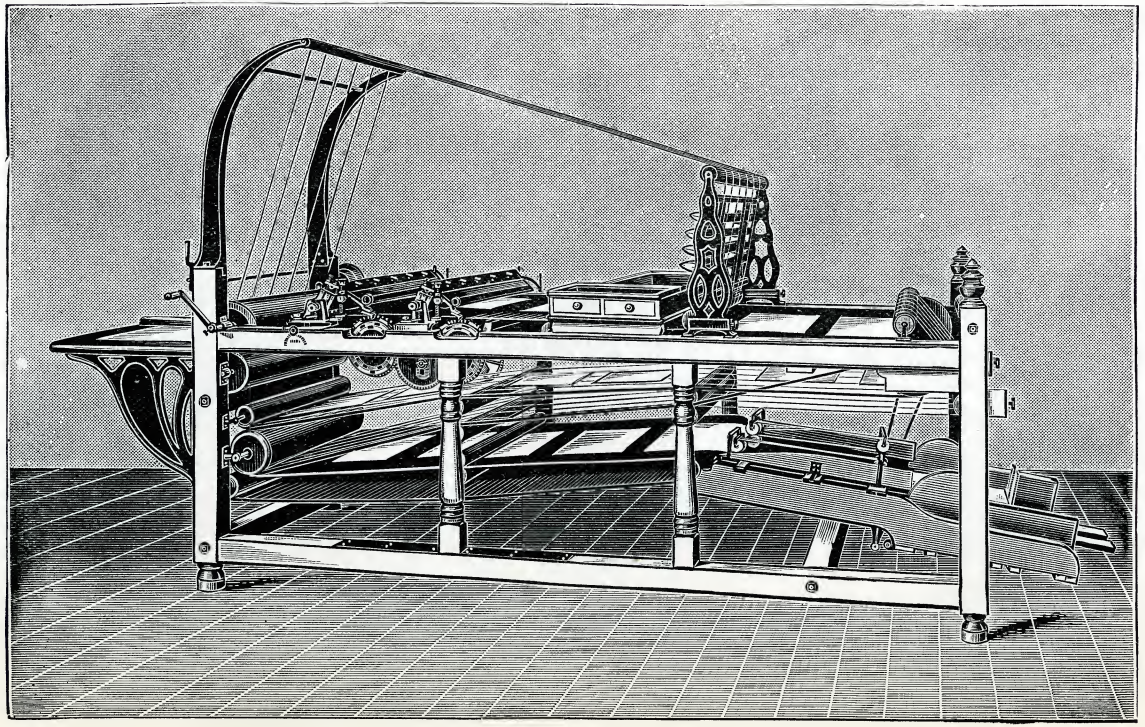
"Ordinary" Machine	...	36 in.	between rails,	31 in.	cloth	...	...	...	£13 10 0
Ditto	...	42 in.	,,	36 in.	,,	...	...	...	15 10 0
Ditto	...	48 in.	,,	42 in.	,,	...	...	...	17 10 0
Ditto	...	54 in.	,,	48 in.	,,	...	...	...	20 0 0

Steam Gear for all Machines Price extra, £2 10s.

The Patent "Ideal" Automatic Single Striker Machine

(WAITE & SHEARD'S).

THE HIGHEST CLASS MACHINE EVER MADE.



SOLD UNDER AN IRON-CLAD GUARANTEE

"IDEAL" BEAM STANDARDS.

"IDEAL" GATE ADJUSTER.

"IDEAL" CAMS.

The "IDEAL" is sold under a *positive* guarantee by us *to excel the best machine* made by any other maker or makers in this country.

For Specification and further particulars see next page.

Fredk. Ullmer, Ltd., Standard Works, Cross Street, Farringdon Road, London.

The Patent "Ideal" Automatic Single Striker Machine—*continued.*

AUXILIARY STRIKER.

The "IDEAL" represents the latest improvements in Automatic Ruling Machines and are guaranteed THE BEST IN THE WORLD.

Well Finished and Reliable.
The Best Machine in the Market.

THIS Machine represents the latest advance in Ruling Machines. The Ruling Machine itself is constructed, as usual, of thoroughly seasoned wood; all rollers, &c., are made with the greatest care; and all these minor points are up to the standard assured by upwards of twenty years of experience in building such machines. Besides this, there are incorporated numerous important improvements (see foot of specification) which, all combined together, make this the "Ideal" Machine.

Specification.

Each machine is made from the very best selected materials; Birch Frames; Bessemer Steel Shafts through all rollers; Metal Rollers are used in the most vital parts of machine; new preventative for steady working of Pen Carriage; new style Tension Screws for adjusting cloths and strings; new lightning-action Gate; improved Over-head Cord Frame; new adjustable steel Paper Guide, set instantly to any angle; patent improved Gear-Wheel Device, for ruling any length of sheet, it increases speed, as waste room on the cloth is economized; Cloth Guide; improved Pen-lifting Device, for instantly raising and dropping the pens without drag; new improved "Yankee" Lay-boy, with Jogger-up attachments, and patent adjustable Footrests for the receiving of paper.

SPECIAL.

Also, in addition to the above specification we are now adding, *without extra charge*, our new patents the "Ideal" Beam Standards, supplied with turret movement and vertical adjustment; "Ideal" Gate-adjuster, formed of a worm-wheel and a worm; "Ideal" Cams, set up in one tenth the usual time; and the "Ideal" Pen-frame Rack. These patent devices are made and handled only by us, and fitted to no other maker's machine.

The "Ideal" Single Striker Machine.

36 in.	between rails,	cloth width	31 in.	...	...	...	...	**£45**
42 in.	,,	,,	36 in.	...	...	...	...	**£48**
48 in.	,,	,,	42 in.	...	...	...	...	**£51**
54 in.	,,	,,	48 in.	...	...	...	...	**£55**

A set of 10 change wheels furnished with each Machine.

Auxiliary Striker, or second striker attachments, added to the above, to enable the operator, by using both beams, to rule and strike two distinct patterns on one sheet of paper at one feeding; and to rule with more colours at a time without danger of their mixing, &c. Price extra, **£5 10s.**

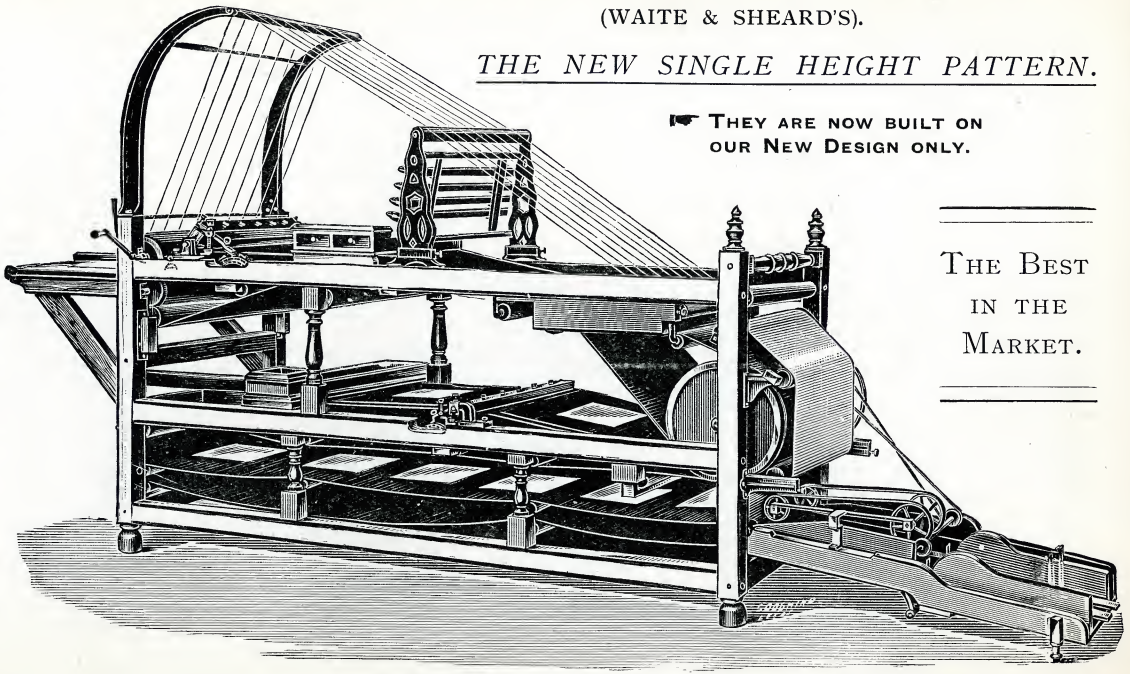
Steam Gear attachments, for all machines, Price extra, **£2 10s.**

The Patent "Ideal" Two-Sider Pen-Ruling Machine

(WAITE & SHEARD'S).

THE NEW SINGLE HEIGHT PATTERN.

☛ THEY ARE NOW BUILT ON OUR NEW DESIGN ONLY.



THE BEST IN THE MARKET.

The No. 1 Two-Sider Pen Machine.

Feint-Lining Machine, to rule one or both sides at one feeding; fitted with the "Ideal" Beam Standards, Cloth Guides, and latest "Yankee" Lay-boy with jogger-up attachments, and patent adjustable Foot-rests, all complete.

36 in. between rails, cloth width 31 in.	42 in. between rails, cloth width 36 in.	48 in. between rails, cloth width 42 in.	54 in. between rails, cloth width 48 in.
£63	£67	£71	£76

The No. 2 Two-Sider Pen Machine.

With Single Striker attachments, for striking "first" side, or feint-lining one or both sides at one feeding; fitted with our new patents, the "Ideal" Beam Standards; "Ideal" Gate Adjuster; "Ideal" Cams, and "Ideal" Pen-frame Rack; also with the improved Gear-wheel device, "Yankee" Lay-boy, and all latest improvements.

36 in. between rails, cloth width 31 in.	42 in. between rails, cloth width 36 in.	48 in. between rails, cloth width 42 in.	54 in. between rails, cloth width 48 in.
£73	£77	£81	£86

The No. 3 Two-Sider Pen Machine.

With two Single Strikers, for striking "both" sides, or feint-lining one or both sides at one feeding; fitted with our new patents, the "Ideal" Beam Standards; "Ideal" Gate Adjuster; "Ideal" Cams, and "Ideal" Pen-frame Rack; also with improved Gear-wheel device for ruling any length sheet; with two Gates; new patent Guide, for securing perfect register in ruling second side of sheet; "Yankee" Lay-boy, with patent adjustable Foot-rests, and all latest improvements.

36 in. between rails, cloth width 31 in.	42 in. between rails, cloth width 36 in.	48 in. between rails, cloth width 42 in.	54 in. between rails, cloth width 48 in.
£90	£94	£98	£103

The simplest, MOST CONVENIENT, and most perfect Two-Sider Pen Machine in the world.
Well finished and perfectly reliable.
These Machines have great advantages over the old style (new to rulers) and are specially recommended for speed and accuracy in ruling large quantities.

Steam Gear Attachments, for all Machines, extra, £2 10s.

Fredk. Ullmer, Ltd., Standard Works, Cross Street, Farringdon Road, London.

Paper Ruler's Sundries.

PEN FRAMES.

With Springs, and made of the best seasoned mahogany, fitted with brass bolts and wing nuts.

					s.	d.
Single Frames, 30 in. long, for	36 in.	machines	... ...	each	7	0
,, 36 ,,	42	,,	... ...	,,	8	0
,, 42 ,,	48	,,	... ...	,,	9	0
,, 48 ,,	54	,,	... ...	,,	10	0

Other Sizes at Proportionate Prices.

Double Frames, 1/- each extra. Triple Frames, 2/- each extra.

ENGLISH RULING PENS.

Usual Size—2 in. long.

	s.	d.
Feint-line Pens, all distances, per 1000	9	6
Double Pens ... ... per 100	4	0
Single Pens ... ... ,,	2	0
Twos, for Double Dates, &c. ,,	3	6
Music Pens, per 100 staves ,,	7	6
Treble Pens... ... ... ,,	4	6

2½ in. long.

	s.	d.
Double Pens ... ... per 100	6	0
Single ... ... ,,	3	0
Twos, for Double Dates, &c. ,,	4	6
Treble Pens ... ... ,,	8	0
English Striker Pens... ,,	9	6

PATENT EXTENSION PEN HOLDERS.

Single ... 2/6 & 1/6 each. Double ... 4/6 & 2/6 each. Triple ... 6/6 & 5/6 each.

SUNDRIES.

	s.	d.
Ruling Inks, best quality, red or blue, in bottle ... per quart	3	0
Ink Powders, red or blue ½ lb. tin	8	0
Ditto ditto ¼ lb. tin	5	0
Paste blue for feint lining, in 2 lb. jars	12	0
Blotting Paper ... per quire	1	6
Special Ruling Machine Cord, reel	1	3
Spring Dividers ... ... from	2	9

	s.	d.
Screw Drivers... ... ... each	1	0
Pen Pliers ... ... per pair	2	0
Best Laten Brass, for Pens per lb.	4	6
Hammers ... ... each	1	6
Assortment Glass Paper	2	0
Best Moleskin Cloths, all widths per yard	3	0
Pen Points ... ... per packet	2	0

Best Moleskin Cloths, ready sewn by our "special process." When ordering, give length and width.

THE "HICKOK" AMERICAN STRIKER, OR DOWN-LINE PENS.

Single, 1 point, shaved pens, 1 ply back	per pen point	1d.
Double, 2 points, ,, ,, ...	,,	1d.
Triple, 3 points, ,, ,, ...	,,	1d.
Single, Double, or Triple, extra long, to fasten in pen frames with other pens	,,	1¾d.

For Ruling Checks, &c., for Safety Purposes.

No. 1	157 pens on a bar;	41 pens to an inch...	per pen point	2d.
2	122 ,,	33 ,, ...	,,	2d.
3	95 ,,	26 ,, ...	,,	2d.
4	94 ,,	24 ,, ...	,,	2d.
5	86 ,,	22 ,, ...	,,	2d.
6	78 ,,	20 ,, ...	,,	2d.

The "Hickok" American Feint Line Pens, in combs ... ... ,, 1d.

Hints to Paper Rulers.

IMPORTANT.—If the cloths ever get damp do not allow the machine to stand still, but keep the rollers turning as the cloth passes over them, to prevent warping.

Have a Steam Dyer to clean your Ruling Machine Cloths, with orders not to shrink them. He will do it better than you can.

Don't let the hot sun shine on your machine, it will not improve it, whether old or new.

Don't tighten the screws in your pen-slides with your wrench. use only the thumb and fingers.

Don't use Pens of different thicknesses in your pen slides at the same time.

To cause the cloth to run towards either side of the machine, turn the tension screw on that side slightly to the left, thus loosening the cloth a trifle on that side of the machine.

Run a New Machine a few days if possible, with the cloth slack, and with reasonable oiling of the journals several times a day till all the parts find their bearings, then tighten up the cloths gradually day by day.

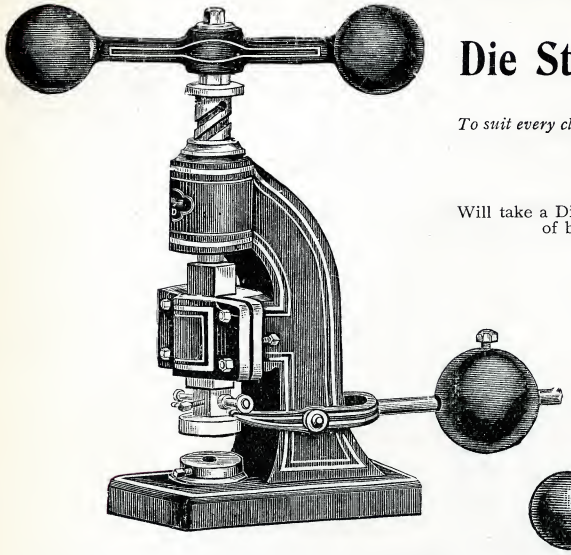
The Spring to prevent jar to beam should be almost vertical.

Use baby flannel (white), at about two shillings a yard for inking purposes.

Use a sheet of zinc on the feed table, the paper slips better.

DIE STAMPING DEPARTMENT.

TO SUIT EVERY DESCRIPTION OF ORDINARY DIE STAMPING.



Die Stamping Presses.

To suit every class. FOR PLAIN, RELIEF, OR CAMEO STAMPING.

No. 1.

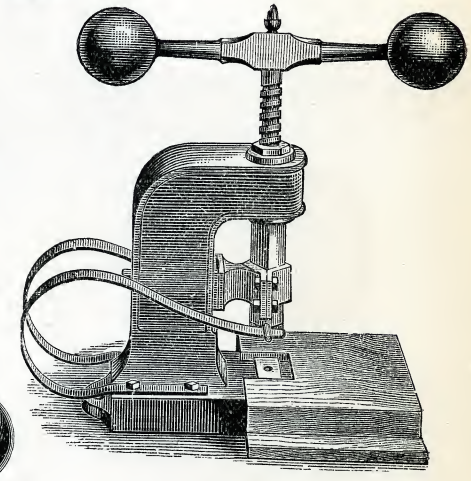
Will take a Die 2 in. diameter, or 2½ in. oblong. Height of body, 15 in.; base, 12 in. by 5½ in.

£5.

With Gauge Board and Inking Slide, 47/6 extra, as on No. 5.

Can be had with Springs instead of Balance Weight if desired.

Strong wood stand with drawer, 20/- extra.



Workman's Relief Stamping Presses.

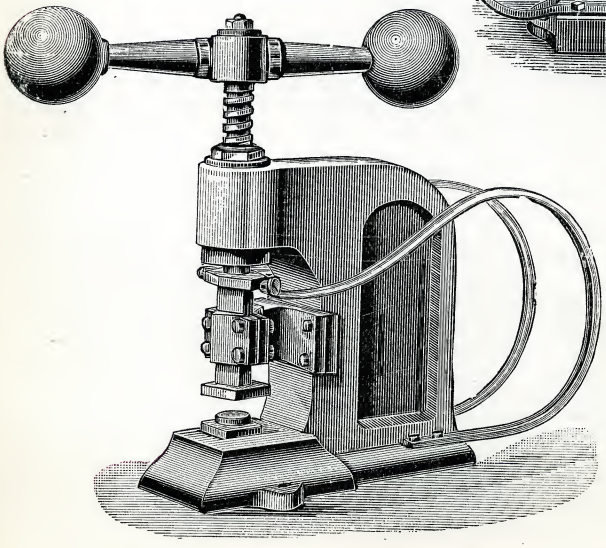
No. 3.

Size of base, 11 in. by 6¼ in.; weight, 1 cwt. 1 qr. 18 lb. Takes Die 2½ in. by 1 in. and under.

£8.

No. 3 is large enough for any ordinary Die, and is fitted complete with guide board, two sets of chucks and dabs, and spanner.

Strong wood stand with drawer, 24/- extra.



No. 4.

Size of base, 19¼ in. by 8½ in.; weight, 3 cwt. 1 qr. 10 lb. Takes Die 3½ in. by 1½ in. and under.

£15.

No. 4 is a very powerful Press, suitable for large Dies, Gold Stamping on card, and general heavy work. Three sets of chucks and dabs are supplied with this Press in addition to the usual fittings. Like the one above it has been subjected to the severest test in the stamping department, and may be relied on to bring up successfully the most difficult work.

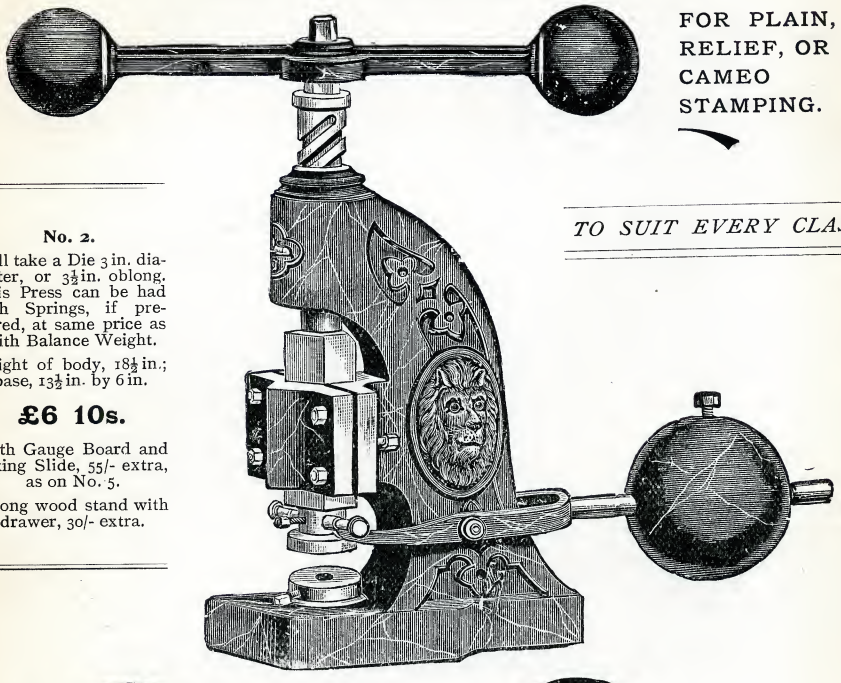
Strong wood stand with drawer, 30/- extra.

An outfit assortment of Colours, &c., can be supplied for £2 extra

Die Stamping Presses.

FOR PLAIN, RELIEF, OR CAMEO STAMPING.

TO SUIT EVERY CLASS.



No. 2.

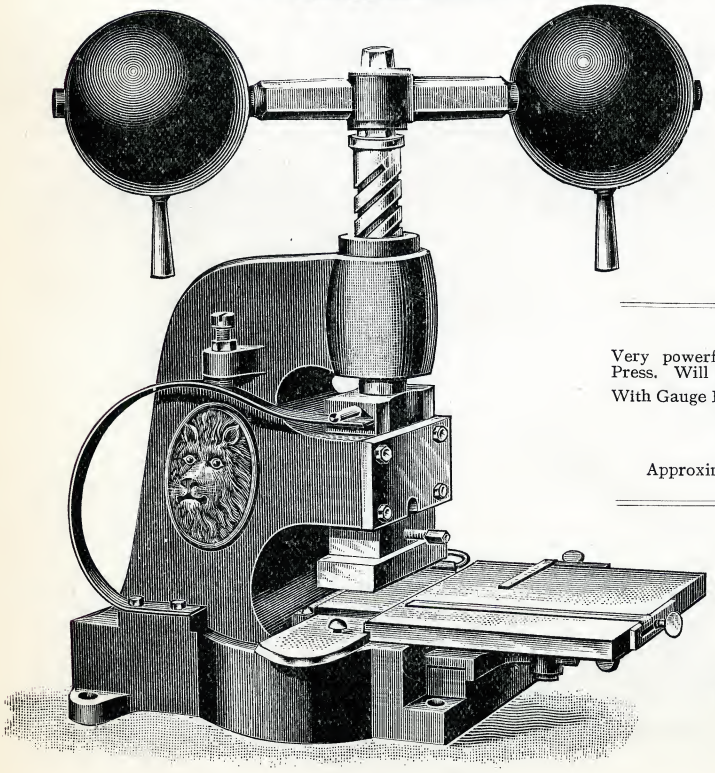
Will take a Die 3 in. diameter, or 3½ in. oblong. This Press can be had with Springs, if preferred, at same price as with Balance Weight.

Height of body, 18½ in.; base, 13½ in. by 6 in.

£6 10s.

With Gauge Board and Inking Slide, 55/- extra, as on No. 5.

Strong wood stand with drawer, 30/- extra.



No. 5.

Very powerful Screw Embossing Press. Will take a Die 6 in. by 4 in.

With Gauge Board and Inking Slide complete.

£22.

Approximate weight, 7 cwt.

An outfit assortment of Colours, &c., can be supplied for £2 extra.

Dry Colours for Relief Stamping.

		£	s.	d.
Chinese Blue	per lb.	0	4	0
Ultramarine Blue ...	,,	0	7	6
Vandyke Brown	,,	0	1	0
Burnt Sienna	,,	0	2	0
Pink	,,	0	10	0
Carmine	,,	2	10	0
Lemon or Orange Chrome	,,	0	2	0
Green, Light or Dark ...	per lb.	0	5	6
Magenta	,,	0	6	6
Scarlet	,,	1	10	0
Orange Red	,,	0	2	0
Vermilion	,,	0	7	6
Black	,,	0	2	0
Flake White	,,	0	1	0

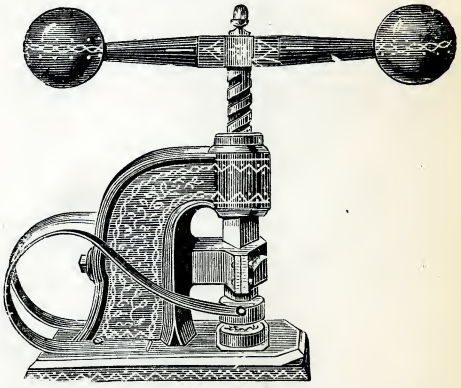
Stoppered Glass Bottles for Colours, to exclude the air ... each, from 8d.

Sundries.

		£	s.	d.
Cameo Inks, in ¼ lb. tin can—Bronze Blue, Light and Dark Blue, Green, Brown, Lavender, Chocolate, Mauve, Magenta, Light Pink, Lake, etc., any shade or colour	from, per lb.	0	10	0
Best Relief Varnish	per lb.	0	2	0
Stamping Brushes	per dozen	0	3	6
Gutta Percha	per lb.	0	4	6
Small Palette Knives	each	0	0	9
Marble Ink Slabs	,,	0	5	0
Granite and Marble Mullers	,,	0	3	0
Patent Composition Roller and Frame	,,	0	3	0
Renewing	,,	0	1	0

Screw Embossing Presses.

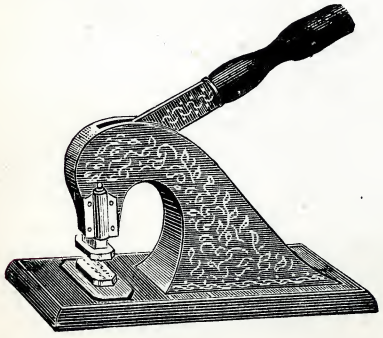
For Company Seals, &c., only.



No.	Size of Base. inches.	Weight.	For Die, ins. in diameter.	£	s.	d.
1 ...	10 by 4½ ...	33 lb. ...	1¾ in.	2	10	0
2 ...	11 by 5½ ...	48 lb. ...	2¼ in.	3	10	0
3 ...	11½ by 6 ...	63 lb. ...	2½ in.	4	10	0
4 ...	12½ by 6½ ...	92 lb. ...	3 in.	6	10	0

Copper counterparts fitted to above.

No. 1 ... 12/-; 2 ... 13/6; 3 ... 15/-; 4 ... 18/-

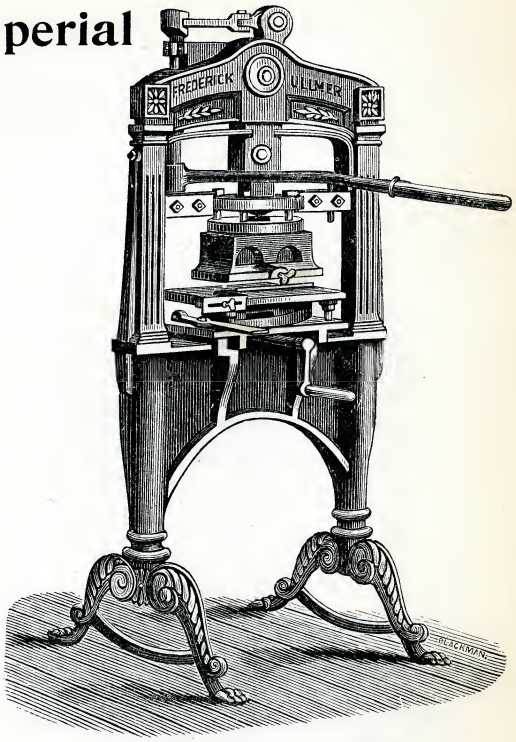


Lever Embossing Press.

With plain business die and counterpart.

	1 in. Die. £ s. d.	1¼ in. Die. £ s. d.	1⅜ in. Die. £ s. d.
	1 2 0 ...	1 7 0 ...	1 13 0
Without	0 17 6 ...	1 1 6 ...	1 6 0

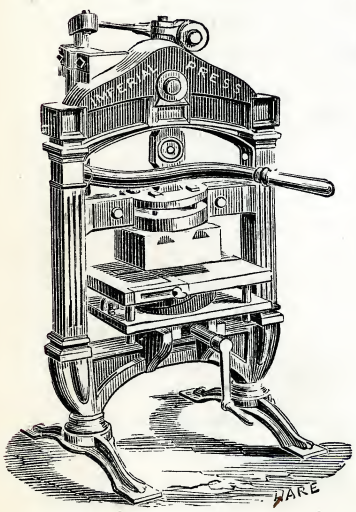
Bookbinders' Imperial Blocking Presses.



With Sliding and Rising Beds to — accommodate Books of all sizes and — thicknesses. ———

Fitted for Heating with Gas or with Iron Heaters.

No.	Space inside Staple clear, inches	Size of Rising Table, inches	Size of Heater Box, inches	Price	Type or Block Boxes, fitted with Steel Set Screws and Key, each	Backing Plates, each
2	19½	17 by 11½	11 by 6	£32 0 0	£3 0 0	£0 18 0
3	24½	20 by 12	13 by 9	49 0 0	3 10 0	1 10 0
4	26½	21 by 13	16½ by 10½	58 0 0	4 5 0	2 16 6



Bookbinders' Imperial Blocking Presses.

With Sliding and Rising Beds to accommodate Books of all sizes and thicknesses.

Fitted for heating with Gas or with Iron Heaters.

No. 1.—Space inside Staple clear, 15 in.; size of Rising Table, 12½ in. by 9½ in.; size of Heater Box, 9½ in. by 6½ in. ... **£15 0 0**

Type or Block Boxes, fitted with Steel Set Screws and Key ... each 2 10 0

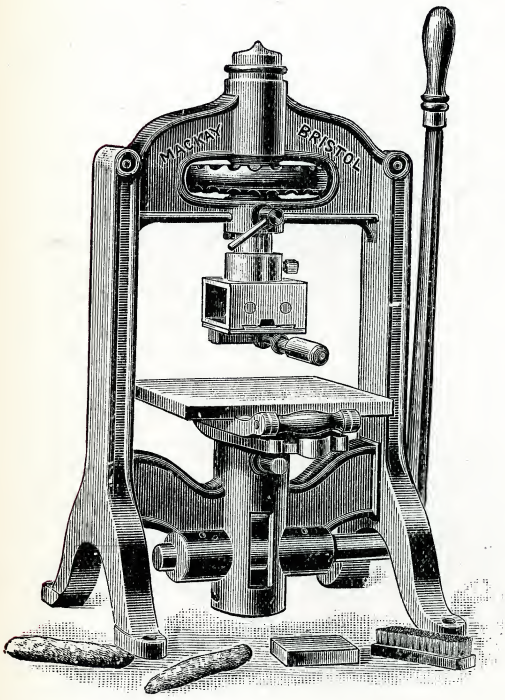
Backing Plates ... ... ,, 0 13 6

BRASS TYPE, CORNERS, ORNAMENTS, &c., CUT TO ORDER.

See New Specimen Book of Designs with Prices.

MACKAY'S IMPROVED PATENT

Gold Lettering Machine.



This Illustration represents No. 4.

It is without doubt a Splendid Machine and most useful, and will largely increase your business.

Price = £12.

SHOWCARDS FOR THE WINDOW ARE SENT WITH EACH PRESS.

THIS Machine will stamp either Initials or Name and Address upon Purses, Pocket Books, Letter Cases, Cigar Cases, Presentation Books, Labels, Cards, &c. Can be worked by a girl or boy, and produces beautiful results. Purchasers like it, as it makes the article appear as if it was made expressly for them, besides providing a better chance of recovering the article in case it should be lost.

No. A 1—Will Block a Forme 16 in. by 10 in. **£34 0 0**
This size will take a book, &c., 18½ in. wide. This includes a holder for letterpress type.

No. 1—Will Print a Forme 10 in. by 8 in. **24 10 0**
This size will take a book, &c., 15 in. wide.

No. 3—Will Print a Forme 7 in. by 5 in. **18 0 0**
This size will take a book, &c., 13 in. wide.

No. 4—Will Print a Forme 3½ in. by 2½ in. **12 0 0**
This Press is for Lettering Wallets, Purses, Books, Top Bands, &c.

Each Press, except No. 4, is complete with the following:—Three various size Type Holders, with Screw Handles and Packing Irons to fit; 1 pair Gauges; 1 Purse Block; Drawer for Gold; Buff Strap for cleaning Blocks, &c.; Brush; Hare's Feet; and ½ lb. Blocking Powder.

No. 4 Machine, complete with Sliding Table, 9½ in. square; Type Holder, 3½ in. by 2 in.; Thermometer; Gold Drawer; Brush; Hare's Foot; ½ lb. Blocking Powder; and full instructions for working.

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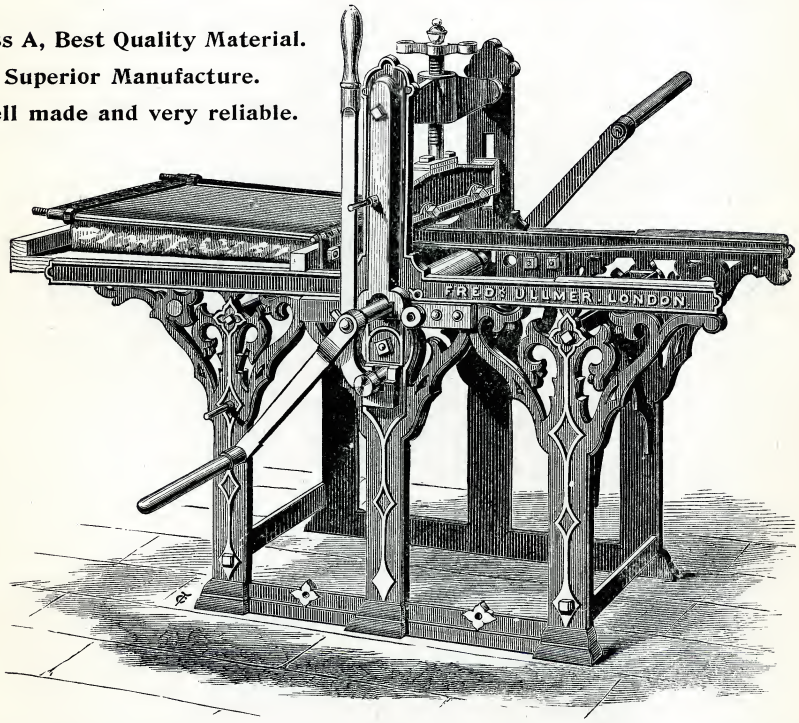
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The "Standard" Improved

Lithographic Presses.

With Side Lever Motion, Best Manufacture, Malleable Iron Heads.

Class A, Best Quality Material.
Superior Manufacture.
Well made and very reliable.



The great improvement in these Presses is that the roller and eccentric can be taken out, or placed in, without unscrewing the framework, which saves a great deal of time and trouble.

PRICES:

Size of Carriage. inches.	To print from Stones. inches.	£	s.	d.
12 by 11 ...	16 by 10 ...	8	10	0
14 ,, 21 ...	18 ,, 12 ...	9	10	0
16 ,, 24 ...	22 ,, 14 ...	11	0	0
18 ,, 27 ...	24 ,, 16 ...	12	10	0
20 ,, 30 ...	26 ,, 18 ...	14	10	0
22 ,, 33 ...	30 ,, 20 ...	16	0	0
24 ,, 36 ...	32 ,, 22 ...	17	10	0
26 ,, 39 ...	36 ,, 24 ...	21	10	0

With Wheel and Pinion.

Size of Carriage. inches.	To print fom Stones. inches.	£	s.	d.
24 by 36 ...	32 by 22 ...	19	10	0
26 ,, 39 ...	36 ,, 24 ...	24	0	0
28 ,, 42 ...	38 ,, 26 ...	28	0	0
30 ,, 45 ...	42 ,, 28 ...	32	0	0
32 ,, 48 ...	46 ,, 30 ...	35	0	0
34 ,, 51 ...	48 ,, 32 ...	37	0	0
40 ,, 60 ...	58 ,, 38 ...	44	0	0
42 ,, 63 ...	60 ,, 40 ...	46	0	0
44 ,, 66 ...	62 ,, 42 ...	48	0	0

Stop to Carriage, **21/-** to **30/-** extra.

Large Presses fitted with balance weights to run out the carriage, **£4** extra.

Extra Tympan Frames, **1/6** per inch in width.

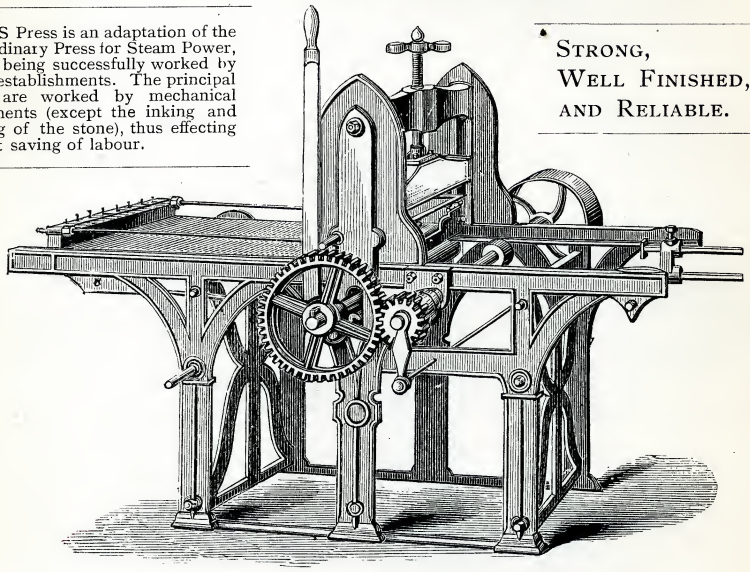
Tympans, Scrapers, &c., extra.

The "Standard" Self-Acting

Steam Lithographic Presses.

THIS Press is an adaptation of the ordinary Press for Steam Power, and is being successfully worked by many establishments. The principal parts are worked by mechanical movements (except the inking and wetting of the stone), thus effecting a great saving of labour.

STRONG, WELL FINISHED, AND RELIABLE.



PRICES:

Size of Carriage, inches	To print from Stone, inches	£	s.	d.
18 by 27 ...	24 by 16 ...	**20**	**10**	**0**
20 ,, 30 ...	26 ,, 18 ...	**22**	**10**	**0**
22 ,, 33 ...	30 ,, 20 ...	**24**	**0**	**0**
24 ,, 36 ...	32 ,, 22 ...	**29**	**0**	**0**
26 ,, 39 ...	36 ,, 24 ...	**34**	**0**	**0**
28 ,, 42 ...	38 ,, 26 ...	**39**	**0**	**0**
30 ,, 45 ...	42 ,, 28 ...	**43**	**10**	**0**
32 ,, 48 ...	40 ,, 30 ...	**46**	**0**	**0**
34 ,, 51 ...	48 ,, 32 ...	**50**	**0**	**0**

If fitted for hand power also, price **£2** extra.

The above prices do not include Tympans and Scrapers, but they are sent out with each Press and charged extra, unless ordered to the contrary.

ACCESSORIES FOR LITHO. PRESSES.

Size of Press. Inches.	Leather Tympan.	French Leather Tympan.	Brass Tympan.	Zinc Tympan.	Boxwood Scraper.	Elastic Bed.
12 by 18 ...	7/4 ...	8/3 ...	2/9 ...	1/5 ...	1/5 ...	1/2
14 ,, 21 ...	9/9 ...	11/- ...	3/8 ...	1/10 ...	1/8 ...	1/7
16 ,, 24 ...	12/6 ...	14/1 ...	4/9 ...	2/5 ...	1/11 ...	2/-
18 ,, 27 ...	15/7 ...	17/7 ...	5/11 ...	3/- ...	2/2 ...	2/7
20 ,, 30 ...	19/- ...	21/5 ...	7/2 ...	3/7 ...	2/5 ...	3/2
22 ,, 33 ...	22/9 ...	25/8 ...	8/7 ...	4/4 ...	2/8 ...	3/10
24 ,, 36 ...	26/10 ...	30/3 ...	10/1 ...	5/1 ...	2/11 ...	4/6
26 ,, 39 ...	31/3 ...	35/2 ...	11/9 ...	5/11 ...	3/2 ...	5/4
28 ,, 42 ...	36/- ...	40/6 ...	13/6 ...	6/9 ...	4/6 ...	6/2
30 ,, 45 ...	41/1 ...	46/3 ...	15/5 ...	7/9 ...	4/10 ...	7/1
32 ,, 38 ...	46/6 ...	52/4 ...	17/6 ...	8/9 ...	5/2 ...	8/-
34 ,, 51 ...	52/3 ...	58/10 ...	19/8 ...	9/10 ...	5/6 ...	9/1
36 ,, 54 ...	58/4 ...	65/8 ...	21/11 ...	11/- ...	5/10 ...	10/2
38 ,, 57 ...	64/9 ...	72/11 ...	24/4 ...	12/2 ...	6/2 ...	11/4
40 ,, 60 ...	71/7 ...	80/6 ...	26/10 ...	13/5 ...	6/6 ...	12/6
42 ,, 63 ...	78/7 ...	88/5 ...	29/6 ...	14/9 ...	6/10 ...	13/10
44 ,, 66 ...	86/- ...	96/9 ...	32/3 ...	16/2 ...	7/2 ...	16/6

The Tympans are cut one inch less in width and six inches more in length than the size of the Press.
The Boxwood Scrapers are cut one inch less than the width of the Press.
For Presses up to 26 in. by 39 in., the Scrapers are $\frac{3}{4}$ in. deep and $\frac{5}{8}$ in. thick; over 26 by 39 in., $3\frac{1}{2}$ in. deep and 1 in. thick. The Elastic Beds are cut the full size of the Press.

SUNDRIES FOR LITHO. DEPARTMENT.

ACCESSORIES FOR LITHO. MACHINES.

	FULL SIZE OF STONE.						
	Crown 16 by 22 inches	Demy 20 by 26 inches	Dbl. Crn. 22 by 32 inches	Dbl. Dmy. 25 by 38 inches	Qd. Crn. 33 by 43 inches	Qd. Dmy. 38 by 48 inches	Qd. Ryl. 42 by 62 inches
India Rubber Blanket ...	12/5	12/5	16/6	22/9	30/6	40/5	53/5
Ordinary Blanket	9/-	9/-	11/11	16/3	21/6	28/4	37/4
Zinc Backing Sheet ...	1/10	1/10	2/6	3/6	4/8	6/3	8/4
Elastic Bed...	2/9	2/9	3/8	5/2	7/-	9/5	12/6

Ordinary Blankets are cut 1 inch longer and 4 inches wider than the full size of Stone.
India Rubber Blankets are cut 1 inch longer and 2 inches wider than the full size of Stone.
The Zinc Backing Sheets and Elastic Beds are cut the full size of Stone.

MACHINE LITHO. ROLLERS.

FOR BLACK OR COLOUR.

	INKER.				DISTRIBUTOR.			DUCT.		
	Stock only	Covered English Leather	Covered Best French Leather	Iron Rider	Stock only	Covered English Leather	Covered Best French Leather	Stock only	Covered English Leather	Covered Best French Leather
Demy ...	18/-	28/6	33/9	11/3	11/3	18/7	22/3	7/3	14/7	18/3
Dbl. Crown	20/-	35/-	42/-	12/-	12/-	21/8	26/6	8/-	17/8	22/6
Dbl. Demy...	22/6	38/-	45/9	13/-	13/-	24/-	29/6	9/-	20/-	25/6
Quad Crown	24/-	42/-	51/-	13/6	13/6	26/-	32/3	9/6	22/-	28/3
Quad Demy	26/-	46/6	56/9	14/-	14/-	28/6	35/9	10/-	24/6	31/9
Quad Royal	30/6	56/-	68/9	15/6	15/6	33/6	42/6	11/6	29/6	38/6

Runners, 7/6 per pair extra. Re-seaming Rollers, 2/6 per foot run.
Roller Flannel, 54 inches wide, 6/- per yard.

THE ABOVE PRICES ARE FOR ORDINARY SIZE ROLLERS.

To ensure accuracy, it is advisable to supply sketches giving full dimensions of the Rollers required, showing length and circumference of body, length and circumference of spindle, and distances between the shoulders. The best French leather is recommended as far preferable to English, for the grain is much finer and softer, hence is not only more readily got into working order, but yields better results.

LITHO. VARNISHES.

FINEST QUALITIES.

Extra Thin ... per qt., 2/-; per gall., 7/-
Tint ... ... ,, 2/3; ,, 7/3
Middle... ... ,, 2/6; ,, 8/6
Strong... ... per qt., 3/-; per gall., 10/-
Extra Strong... ,, 3/6; ,, 12/-

FRENCH LITHO. CHALKS.

Lemercier's No. 1, hard... ... ... per box of 1 dozen, 9d.
,, No. 2, medium ... ... ,, ,, 9d.
,, No. 3, soft ... ... ,, ,, 9d.
Chalk Holders ... ... each, 6d. and 9d.

LITHO. TRANSFER PAPER.

Tracing Paper ... from per quire 3/6
India Proof Paper ... ,, 10/-
Transfer Paper ... ,, 6/6
Transfer Writing Paper from per quire 7/6
,, Tracing Paper ,, 7/-
,, India Paper ,, 16/-

Litho. Sundries—*continued.*

ROLLER BLANKETS.

Best White Moleskin, 30 in. wide	per yard, 2/6
,, Swanskin, 30 in. wide	,, 6/9
Second Quality Swanskin, 30 in. wide	,, 5/6
Flannel for covering Rollers, 43 in. wide	,, 4/8
Litho. Felt, 54 in. wide	,, 7/6

LITHO. MACHINE BLANKETING.

TREBLE MILLED.

38 inches wide	per yard, 12/6	54 inches wide	per yard, 18/-
42 inches ,,	,, 13/9	60 inches ,,	,, 20/-
50 inches ,,	,, 16/6		

MARBLE SLABS AND MULLERS.

8 in. by 8 in.	each, 2/-	24 in. by 24 in.	each, 18/6
12 in. ,, 12 in.	,, 4/6	Mullers, Granite	per inch, 2/6
15 in. ,, 15 in.	,, 7/-	,, Black Marble	,, 2/-
18 in. ,, 18 in.	,, 10/6	,, White Marble	,, 1/3
20 in. ,, 20 in.	,, 12/6		

TYMPANS.

Leather Tympans, English	per square foot, 4/-
,, ,, French	,, 4/6
Zinc ,, (fitted to frames)	,, 9d.
Brass ,, ,,	,, 1/6
Tympan Frames ,,	per inch in width, 1/6

BOXWOOD SCRAPERS.

2 in. to 3 in. deep, and $\frac{3}{4}$ in. to 1 in. thick	per foot run, 1/6
,, ,, $1\frac{1}{4}$ in. thick	,, 2/-
$3\frac{1}{8}$ in. to $3\frac{1}{2}$ in. deep, and 1 in. thick	,, 2/-
$3\frac{1}{8}$ in. to 4 in. ,, ,,	,, 2/6
$4\frac{1}{8}$ in. to 5 in. ,, ,,	,, 3/6
Leather Strips for Scrapers	per lb., 2/-

Turkey Boxwood Scrapers at double above prices.

PRESS LITHO. ROLLERS AND SKINS.

FOR BLACK OR COLOUR.

	English	French	Best French
8 in. Rollers	7/-	8/-	9/-
11 in. ,,	9/6	12/-	13/-
12 in. ,,	10/6	13/-	14/-
13 in. ,,	11/6	14/-	15/-
14 in. ,,	13/-	15/-	16/-
15 in. ,,	14/-	16/-	17/-
18 in. ,,	17/-	19/-	20/-

	English	French	Best French
11 in. Roller Skins	7/6	8/6	9/6
12 in. ,,	8/6	9/6	10/6
13 in. ,,	9/6	10/6	11/6
14 in. ,,	10/6	11/6	12/6
15 in. ,,	11/6	12/6	13/6
18 in. ,,	14/6	15/6	16/6

Cast-Iron Levigators for grinding Stones, 25/-
Litho. Stone Carriage, 22/6; **Tyres,** per pair, 4/-

INKING TABLES.

Iron Inking Table, with planed surface	25/-
Wood ,, with stone slab and shelves	20/-

Litho. Sundries—*continued.*

LITHO. SUNDRIES.

Litho. Pens ... ... per card of 12, 2/-
Ruling Pens... ... ... 1/2
Palette Knives ...each, 1/-, 1/6, 2/6, 3/6
Fine Sponge, selected, per lb., 8/-, 10/-, 12/-
Ordinary Sponge, selected per lb., 15/-
Graining Sand, sifted from per gall., 3/-
,, Sieves ...each, 4/6, 5/6, 6/6, 7/6
Damping Canvas ... ... per lb., 1/4
Tracing Points ... ... 4 for 1/-
Eraser ... ... from 1/-
Emery Cloth... ... ... per quire, 2/-
Glass Paper ... ... ,, 1/-
Mullers, Marble ... ... from each, 2/-
,, Stone ... ... ,, 3/-
Dryers, ground in oil ... per lb., 8d.
,, ground without oil ,, 2/6

Stone File 4/-
Stone Rasp 7/6
Nitric Acid ... ... per ½ pint bottle, 2/-
Sulphuric Acid ... ... per bottle, 1/-
Turpentine ... ... per pint bottle, 1/-
,, ...per gallon, 4/6
Prepared Gum ... ... per lb., 1/6
Rag Stone ... ... ,, 6d.
Sand Paper ... ... per quire, 2/6
French Chalk ... ... per lb., 3d.
Elastic Bedding for Stones, from per square foot, 9d.
Gum ... ... per lb., 1/-
Snake Stone... ... from per lb., 8d.
Pumice Stone ... ,, 8d.

BLACK LITHO. INKS.

Machine and Posting ... ... per doz. lb., 12/-, 18/-, 24/-, 30/-, 36/-
Commercial Work ... ... per lb., 3/-, 4/-, 5/-
Fine Work ... ... ,, 4/-, 5/-, 6/-
Extra Fine Work ... ... ,, 8/-, 10/-
Stiff Ink for Chalk Work... ... ... ,, 6/-, 8/-
Re-Transfer Ink—Stone to Stone ... ...per lb., 10/-
,, Plate to Stone ... ... ,, 10/-
,, Type to Stone ... ... ,, 10/-
,, Cold Stone ... ... ,, 10/-
Transfer Ink—Writing ... ... per stick, 6d., 1/-
,, Lemercier's ... ... ,, 1/6

COLOURED LITHO. INKS.

Blue ... ... from per lb., 3/- to 10/-
Brown ... ... ,, 2/6 ,, 12/-
Green ... ... ,, 2/- ,, 8/-
Lake ... ... ,, 8/- ,, 30/-

Magenta ... ... from per lb., 3/6 to 10/-
Mauve ... ... ,, 3/6 ,, 60/-
Red ... ... ,, 1/6 ,, 10/-
Yellow ... ... ,, 2/- ,, 35/-

Inks made to any colour and for any climate.

Varnish for reducing Inks, Black and Coloured ... ... per gallon, 7/-

FINE DRY LITHO. COLOURS.

	£	s.	d.
Lake Carmine, fine ... per lb.	2	0	0
,, Scarlet, fine ... ,,	1	5	0
,, Crimson, fine ... ,,	0	18	0
,, Pink, fine ... ... ,,	0	18	0
,, Magenta, fine ... ,,	0	18	0
,, Mauve, fine ... ,,	0	18	0
,, Brown, fine .. ,,	0	10	0
,, Violet ... ... ,,	3	5	0
,, Purple, fine ... ,,	0	10	0
,, Yellow ... ... ,,	0	12	0
,, Green ... ... ,,	0	5	0
,, Blue, fine ... ... ,,	0	10	0

	£	s.	d.
Chrome Yellow, pale lemon, per lb.	0	3	6
,, fine dark ,,	0	3	6
,, fine deep ,,	0	3	6
,, fine light orange... ,,	0	3	6
Ultramarine, dark or pale ,,	0	8	0
Prussian, Steel, Chinese, and Cobalt Blue ... per lb., 5/6 to	2	10	0
Umber, burnt or raw ... per lb.	0	2	6
Vandyke ... ... ,,	0	2	6
Chinese, French, and Flake White ... ... per lb., 1/- to	0	2	0

BRONZE POWDERS, PREPARATION, AND LEAF METAL.

	£	s.	d.
Gold—Pale, Pale Red, Rich Deep, and Yellow ... ... per lb., 5/6 to	2	5	0
Silver and Copper ... ... per lb., 10/-, 15/-, 20/-, 24/-, 30/-, 40/- to	2	10	0
Crimson, Pale Crimson, Green, Scarlet, Orange, &c. ... ... per lb., 10/- to	1	10	0
Preparation for printing in Bronze or Leaf Metal ... ...per lb., 4/-, 5/-,	0	6	0
Leaf Metal ... ... per bundle, from	0	5	0

o

Litho. Sundries—*continued.*

LITHO. STONES.

BEST QUALITY. ***YELLOW.***

Size. inches.	Approx. Weight. lb.	Price. per lb.	Approx. Cost s. d.	Size of Paper.
9 by 7	13		0 10	Demy Octavo
10 ,, 8	16		1 9	Ditto
12 ,, 10	24		1 6	Imperial Octavo
13 ,, 10	26		1 9	Ditto
14 ,, 10	27		1 8	Demy Quarto
14 ,, 11	32		2 0	Royal Quarto
14 ,, 12	34	¾d.	2 2	Ditto
15 ,, 11	38		2 5	Ditto
15 ,, 12	40		2 6	Ditto
16 ,, 12	43		2 8	Crown Folio
17 ,, 11	42		2 7	Large Post Folio
17 ,, 13	49		3 1	Imperial Quarto
18 ,, 12	50		3 3	Demy Folio
18 ,, 14	58		4 10	Foolscap
19 ,, 13	66		5 6	Demy Folio
19 ,, 15	77		6 5	Foolscap
20 ,, 13	70		5 10	Half Royal
20 ,, 14	73	1d.	6 1	Ditto
20 ,, 15	76		6 4	Ditto
20 ,, 16	80		6 8	Ditto
21 ,, 13	75		6 3	Ditto
21 ,, 15	85		8 9	Crown
22 ,, 14	83		8 6	Half Royal
22 ,, 15	89		9 3	Ditto
22 ,, 16	95		10 0	Crown
22 ,, 18	106		11 0	Half Imperial
23 ,, 17	128		13 6	Ditto
24 ,, 16	125		13 0	Large Post
24 ,, 18	130	1¼d.	13 6	Demy
25 ,, 19	144		15 0	Ditto
26 ,, 18	139		14 6	Ditto
26 ,, 20	165		17 2	Royal
27 ,, 21	185		19 3	Ditto
28 ,, 20	178		18 6	Elephant
28 ,, 22	196		20 6	Ditto
30 ,, 20	191		20 0	Double Crown
30 ,, 22	207		26 0	Ditto
31 ,, 21	210	1½d.	26 3	Ditto
32 ,, 22	224		28 0	Imperial
32 ,, 24	264		33 0	Ditto
34 ,, 24	277		34 6	Ditto
36 ,, 24	294		43 0	Double Demy
36 ,, 26	319	1¾d.	46 6	Ditto
38 ,, 26	326		49 0	Ditto
38 ,, 28	360		52 6	Ditto
40 ,, 28	394		57 6	Double Royal
40 ,, 30	422		79 2	Quad Crown
42 ,, 28	414		77 8	Double Elephant
42 ,, 30	443	2¼d.	83 0	Quad Crown
42 ,, 32	473		88 6	Ditto
46 ,, 32	580		108 9	Double Imperial
48 ,, 36	648		121 6	Quad Demy
54 ,, 40	834		208 6	Quad Royal
60 ,, 40	900	3d.	225 0	Quad Double Crown
60 ,, 42	980		245 0	Ditto
62 ,, 42	1016		254 0	Quad Imperial

All intermediate sizes supplied.
Prices for Grey or Double-Faced Stones on application.
Special Quotations for Large Quantities.

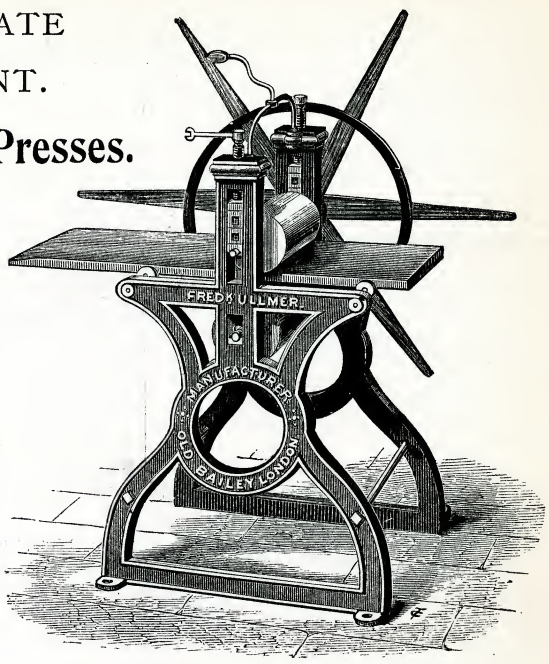
COPPER-PLATE DEPARTMENT.

Iron Copper-Plate Presses.

THESE PRESSES HAVE TURNED IRON ROLLERS, PLANED IRON PLANK, AND REGULATING PRESSURE SCREWS.

Length of Rollers		
11 inches	... ...	£11
13 ,,	... ...	12
15 ,,	... ...	15
18 ,,	... ...	19
20 ,,	... ...	21
22 ,,	with inverted wheel	24
24 ,,	,, ,,	26
26 ,,	,, ,,	30
28 ,,	,, ,,	32
30 ,,	,, ,,	35
33 ,,	,, ,,	39
36 ,,	,, ,,	42

Large sizes with double reduced motion and fly wheel, £8 extra.



ACCESSORIES FOR COPPER-PLATE PRESSES.

inches	s.	d.
Heater, 12 by 10, with atmospheric burner	16	0
,, 15½ ,, 11½ ,, ,,	18	6
,, 20 ,, 14 ,, ,,	30	0
,, 24 ,, 18 ,, ,,	40	0
,, 30 ,, 20 with 2 atmosph. burners	60	0
,, 12 ,, 10, without burner ...	7	6
,, 15½ ,, 11½ ,, ...	10	0
,, 20 ,, 14 ,, ...	21	6
,, 24 ,, 18 ,, ...	30	0
,, 30 ,, 20 ,, ...	40	0

inches	s.	d.
Jigger, 12 by 10	3	0
,, 15½ ,, 11½	4	0
,, 20 ,, 14	6	6
,, 24 ,, 18	8	6
,, 30 ,, 20	10	6
Blanketing, 30 in. wide ... ... per yard	7	6
,, 36 in. ,, ... ,,	9	0
,, 60 in. ,, ... ,,	14	6
Fronting, 30 in. wide ... ... ,,	10	0
,, 60 in. ,, ... ,,	21	0

COPPER-PLATE PRINTING MATERIALS.

	s.	d.
Copper-Plate Ink, Black ... per lb. 1/6 to	3	0
,, ,, ,, best ... per lb.	4	0
,, ,, ,, French ... ,,	10	0
,, ,, Burnt Umber ... ,,	5	0
,, ,, Raw Umber ... ,,	5	0
,, ,, Burnt Sienna ... ,,	5	0
,, ,, Raw Sienna ... ,,	5	0
Burnt Oil, thin ... ... per gall.	6	6
,, middle ... ... ,,	7	0
,, strong ... ... ,,	7	6
Soldered-up Cans included.		
Taper cans, extra, pint 6d., quart 8d., ½-gall. 9d., 1 gall. 1/-		
Frankfort Black ... ... per lb. 6d. to	1	0
,, best ... ... per lb.	1	6
Dabbers, Inking ... ... 1/-, 1/3, and	1	6

	s.	d.
Canvas, fine ... ... per yard	1	3
,, coarse ... ... ,,	0	6
,, muslin ... ... ,,	0	3
Ink Slabs ... ... 1/6, 2/-, and	2	6
Mullers, Marble (at 1/- per in. diam.) 2/6, 3/-, and	3	6
,, Stone, 3 in. diam.	2	6
Palette Knives ... 6 in. 10d., 7 in. 1/-, 8 in. 1/3, and 9 in.	1	6
Oil Can and Oil	2	6
Oil Rubber to clean plates	2	6
Dryers, ground in oil ... ... per lb.	0	8
Wash Leathers ... ... 1/3 and	1	6
Whiting ... ... per lb.	0	1
India Paper for proofs ... ... per sheet	0	6
Japanese ,, ... ,,	0	3

COPPER PLATES for Engravers.

inches	s.	d.
Thirds Large Card, 3¼ by 1¾ ... per doz.	3	4
Broad Thirds ,, 3¼ ,, 2 ... ... ,,	4	0
Town ,, 3¼ ,, 1¼ ... ,,	4	8
Small ,, 3⅜ ,, 2⅛ ... ,,	6	0
Large ,, 4⅜ ,, 3⅜ ... ,,	10	0
Double Small ,, 5¼ ,, 3⅜ ... ,,	12	0
Note Heading ... 5 ,, 1¾ ... ,,	5	6
Debit Note ... 5¼ ,, 2⅛ ... ,,	8	0

inches	s.	d.
Broad Invoice ... 8 by 2⅝ ... per doz.	12	0
Ex. Broad Invoice 8 ,, 3¼ ... ,,	16	0
Octavo ... ... 8 ,, 5 ... ,,	26	6
Quarto ... ... 10 ,, 8 ... ,,	53	6
Bill of Exchange 10½ ,, 4 ... ,,	32	0
Copper Plates in Slips, from 3 in. to 12 in. by 3 ft. ... ... per lb.	3	6

Patent Bronzing Machine.

A PERFECT BRONZER.

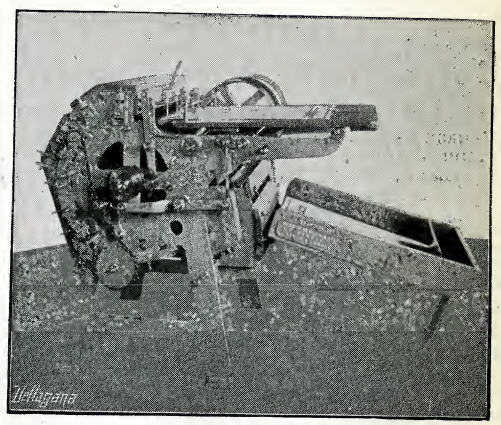
Using the smallest possible amount of Bronze.

MADE IN ALL SIZES.

HIGH RATE OF SPEED.

DUSTING MOST SATISFACTORY.

Used by most of the leading houses in the United Kingdom.

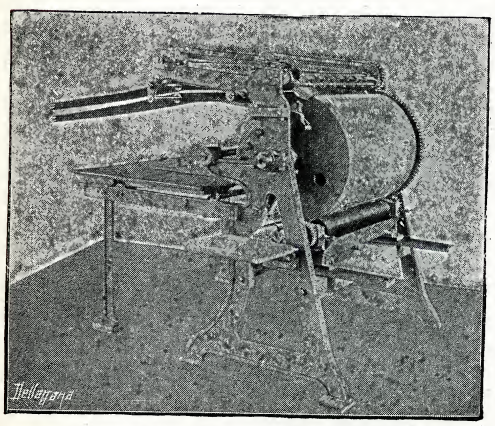


PATENT BRONZING AND DUSTING MACHINES.

PRICES:

Demy	£70	Quad Crown	£110
Double Crown	£80	Quad Demy	£120
Double Demy	£90	62 in. by 42 in.	£140

Improved Sheet Varnishing and Gumming Machine.



THE BEST AND SIMPLEST IN THE MARKET.

MADE IN FOUR SIZES.

IMPROVED SHEET VARNISHING MACHINES

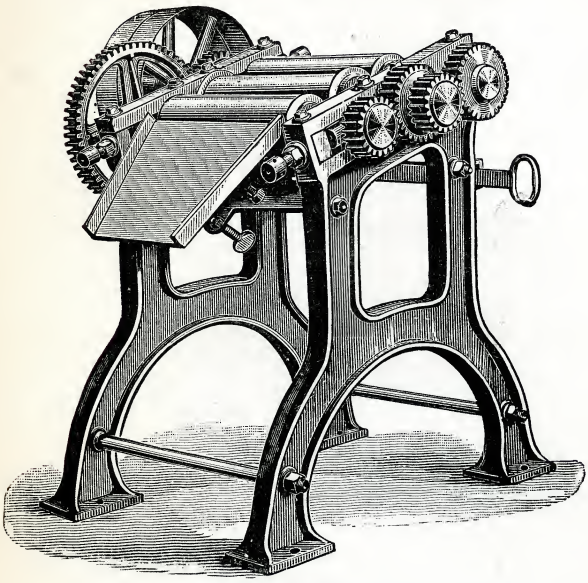
(FITTED WITH CANVAS MOTION AND STRETCHERS COMPLETE).

PRICES:

Double Crown	£85	Quad Crown	£105
Double Demy	£95	62 in. by 42 in.	£140

PATENT

Ink and Colour Mixing Mills.



From Photograph of Mill with Rolls 15 in. by 6½ in.

RAPID GRINDING.

FINE GRINDING.

MASSIVE!
DURABLE!!
RELIABLE!!!

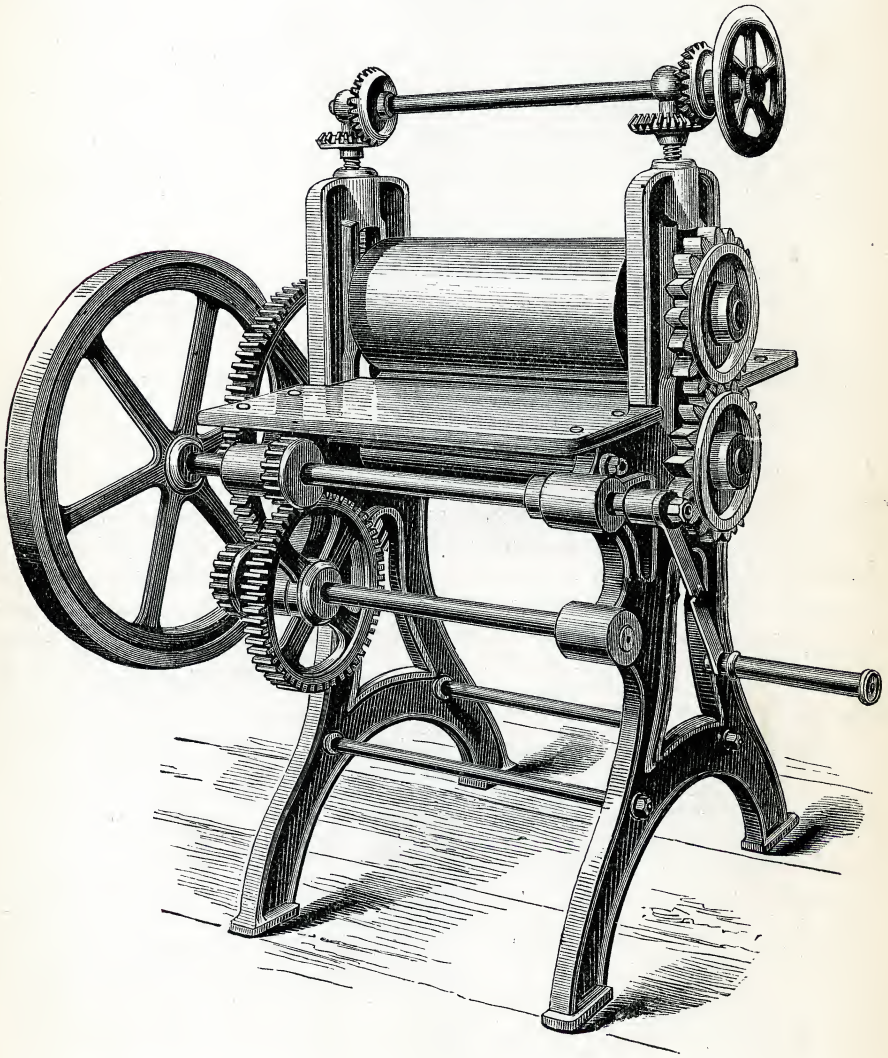
THE Mills have powerful gearing, heavy gun-metal bearings, spiral springs, Rolls all running at different speeds, immovable on steel spindles, and are of sound and accurate construction and high finish throughout, requiring *little power compared with ordinary Mills.* The Rolls (both *Iron* and *Granite* and *Chilled*) are finished by a patent American process, which makes them perfectly straight and true, and imparts a *beautiful polish.*

This illustration represents Grinding Mills with three equal diameter Rolls fixed horizontally on strong massive frames, and capable of grinding all wet materials in the best style. Valuable improvements, *not to be found on any others in the market,* are embodied in these Machines, which are characterised by *compactness, simplicity of mechanism, and great productive power,* grinding to any fineness the most delicate colours.

Size of Rolls.	Iron Rolls, No. 1	Granite Rolls, No. 1	Finest Granite Rolls, No. 2	Chilled Rolls, No. 1	Finest Chilled Rolls, No. 2
12 in. by 3½ in.	£28 10s.	—	—	—	—
15 in. by 6½ in.	—	—	—	£50	£75
18 in. by 9 in.	—	£55	£89	£60	£89
21 in. by 9 in.	—	£65	£99	£70	£99
24 in. by 12 in.	—	£90	£125	£95	£125
26 in. by 14 in.	—	£105	£140	£110	£140
28 in. by 14 in.	—	£120	£155	£125	£155
30 in. by 14 in.	—	£135	£170	£140	£170
36 in. by 14 in.	—	£150	£185	£155	£185

Rolling or Paper Glazing Machine.

With Rollers highly polished, Double Gear,
and Movement for setting top roller.



18 in.	for Hand Power	...	...	£28
20 in.	ditto	...	...	£34
24 in.	ditto	...	...	£45
24 in.	for Steam Power and Reversing Gear			£55
30 in.	ditto	ditto	...	£75
33 in.	ditto	ditto	...	£95

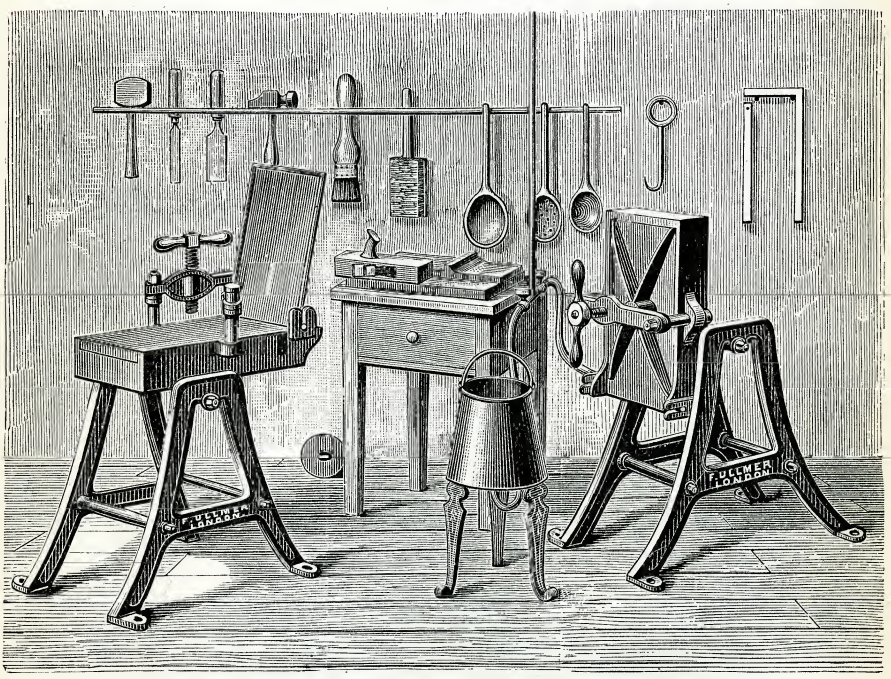
The Machines can be made with a motion for reversing the Roller, at an additional cost.

THE MOST COMPACT ARTICLE YOU CAN GET!
IT WILL BRING YOUR OFFICE UP-TO-DATE!!

FREDK. ULLMER'S, LTD.,

— IMPROVED —

Stereotyping Apparatus.



The above Illustration shows the Casting Boxes in two different positions.

THE Apparatus comprises—Drying and Casting Press combined, with Atmospheric Burner and Tubing; Iron Gas Furnace or Melting Pot, with Atmospheric Burner and Tubing; Iron Plane and Shooting Bench; Table for mounting Plane and Shooting Bench, with one Drawer; Pica Gauges; Two Ladles; One Skimmer; Mallet; Hammer; Two Chisels; Two Punches; Beating, Oil, Chalk, and Paste Brushes.

Demy Quarto	£8	10	0
Foolscap Folio, 14 in. by 9½ in. ...	10	0	0
Demy Folio, 18 in. by 11½ in. ...	12	0	0
Royal Folio, 23 in. by 15 in. ...	14	0	0
Crown, 25 in. by 18 in.	15	10	0
News Size, 28 in. by 15 in. ...	15	10	0

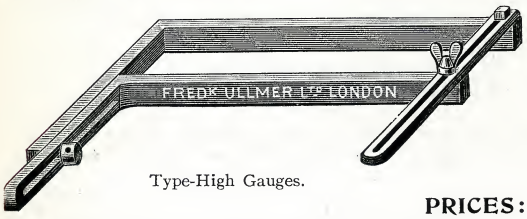
If required for heating by Coal, Coke, or Charcoal instead of Gas, the price is £2 10s. extra each size.

This is a most compact, simple, and complete Apparatus.
Only one Press is required for drying and casting, and being heated by Gas, is ready in a few minutes for either purpose.

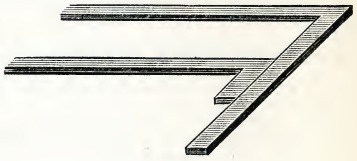
BEST STEREO METAL, 28/- PER CWT. **READY-MADE FLONG, 12/6 PER QUIRE.**

Adjustable Type-High Gauges and Cores.

These Gauges are perfectly true, and can be adjusted to produce work equal to solid pages of type.



Type-High Gauges.



Pica Gauges.

PRICES:

Type-High Gauges, adjustable from 3 ems pica to			Royal Folio	£2	5	0
Ditto	ditto	ditto	Demy Folio	2	0	0
Ditto	ditto	ditto	Foolscap Folio	1	15	0
Cores.—These are made in Sets of 8, of various widths, and in lengths suitable for jobbing work.			News Size	2	0	0
			Royal Folio	1	15	0
			Demy Folio	1	8	6
			Foolscap Folio	1	5	0

Pica Gauges.—Royal Folio, 16/6; Demy Folio, 15/-; Foolscap Folio, 13/6.

Stereo Melting Pots.

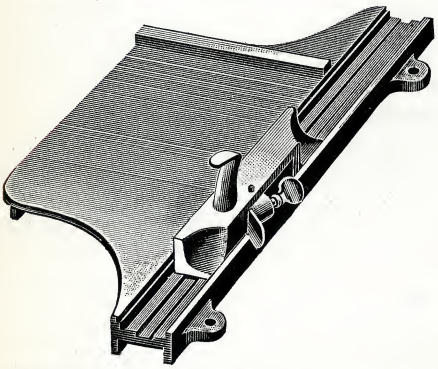
COMPLETE WITH ATMOSPHERIC BURNERS.



To melt about 68 lb.	£1	10	0
Ditto 112 lb.	1	17	6
Ditto 300 lb.	6	6	0
Ditto 450 lb.	8	0	0

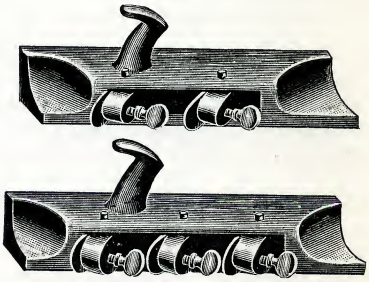
Improved Shooting Slab and Plane.

Shooting Block, 18 in. by 14 in., with one knife ... £10 10 0



THIS Slab is strongly constructed, and designed for accurately squaring metal plates and wood blocks. The slab and planes are made of iron, and the surfaces, on which the plane slides, are planed perfectly true. The planes are fitted with one, two, or three knives, for type-high bevelling zinc and copper plates. The knives are easily adjusted by means of the set screw.

Shooting Planes.



PRICES:

Shooting Plane, with 1 knife	£2	0	0
Ditto 2 knives	3	0	0
Ditto 3 do.	4	4	0
Wood Planing Block	0	10	6

Iron Shooting Plane and Block.

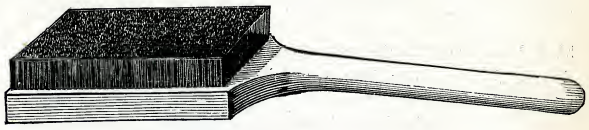
(SMALL SIZE.) **A very serviceable article.**

Price complete, ordinary size, 17 in. by 6½ in.	£2	15	0
Ditto larger	3	10	0

Sundries for Stereo Department.

STEREO BEATING BRUSHES—All Bristle.

These Brushes are made of the very best Bristles.
Security of Knot ensured.
Handles hard-seasoned Beech.



Handles either Bent or Straight.

	s.	d.
No. 1—Small Beating. Size of Brush, 5 in. by 2¾ in., entire length, 12 in. For small work	7	6
No. 2—For Jobbing. Bristle very close and stiff, 13 rows. Size of Brush, 6½ in. by 2¾ in., entire length, 15 in.	9	6
No. 3—The same as No. 2, but wider in Brush. Size of Brush, 6½ in. by 3 in., entire length, 15 in.	11	6
No. 4—For News. Bristle very close and stiff, 10 rows. Size of Brush, 7 in. by 3¼ in., entire length, 18½ in.	12	6
No. 5—For News. Very close and stiff, larger than No. 4, 10 rows. Size of Brush, 8 in. by 3½ in., entire length, 19 in.	16	6
No. 6—For News. Same shape as No. 5 but larger, 11 rows. Stiff full Brush. Size 7½ in. by 3⅝ in., entire length, 20 in.	18	6

We supply only the very best quality Stereo Brushes, as inferior qualities are found to be very unserviceable.

	£	s.	d.
Stereo Beating Slabs, very strong, 2½ in. thick, including the ribs which are 4½ in. by 4½ in., mounted upon strong wood frame, size 60 in. by 42 in.	10	10	0

Other sizes in proportion.

Planed Iron Finishing Slab, 20 in. by 14 in.	1	5	0
Stereo Metal, best quality ... ... per cwt.	1	8	0

Quotations for large quantities.

	s.	d.		s.	d.
Oil Brush	3	0	Bradawl	0	3
Chalk	1	3	Nail Punch	0	3
Flat Paste Brush	3	6	Mallet	1	6
Round ,, ,, ...	1	0	Planer	1	0
Chisels, 1 in., ½ in., and ¼ in. ...	2	9	Indiarubber Tubing ... per foot	0	6
¼ in. Gouge	0	10	Type-High Metal Clumps per lb.	0	6
Paste Can	2	0	Stereo Composition ...per gall.	8	0
Chalk Dredger	1	6	Iron Ladle, small	3	6
Pair Shears	2	6	Do. large	4	6
French Nails ... ... per lb.	0	9	Skimmer	3	6

PAPER FOR STEREO MATRICES.

GOOD QUALITY.

	£	s.	d.
Tissue, 23½ in. by 18¼ in. ... ... per ream	0	6	6
Do. 25 in. by 20 in. ... ... ,,	0	7	6
Do. 28 in. by 21 in. ... ... ,,	0	8	0
Middle Paper, Grey, 23 in. by 18½ in. ... ... ,,	0	17	6
Do. 25 in. by 20 in. ... ... ,,	1	2	0
Do. 28 in. by 21 in. ... ... ,,	1	6	6
Do. Brown, 23 in. by 18½ in. ... ... ,,	0	18	0
Do. Buff, 30 in. by 20 in.... ... ... ,,	1	2	6

Specially prepared Stereo Flong, ready for use ... ... per quire 0 12 6

Sundries for Stereo Department—*continued.*

METAL STEREO BLOCKS AND BRASS CATCHES.

Metal Stereo Blocks, all sizes ... ... per lb., 7d.
Brass Catches for Metal Blocks ... ... per doz., 1/-; or per gross, 10/-

The average weight of a page made up, Demy 8vo, is about 5½ lb.
Demy 12mo, about 3½ lb.

HARD WOOD BLOCKS WITH BRASS CATCHES.

	Demy £ s. d.	Royal £ s. d.
Hard Wood Blocks, with Brass Catches, 4to, per half-sheet of 4 blocks	0 10 0	0 12 0
Do. ,, ,, 8vo, ,, 8 ,,	0 12 0	0 16 0
Do. ,, ,, 12mo, ,, 12 ,,	0 14 0	0 18 0
Do. ,, ,, 18mo, ,, 18 ,,	0 18 0	1 2 0
Do. ,, ,, 32mo, ,, 32 ,,	1 12 0	1 16 0

If with End Catches, 6d. each Block extra.
Any size or kind of Block or Mounting Board to order.

MOUNTING BOARDS—Mahogany.

FOR MOUNTING STEREO OR ELECTRO PLATES.

	s. d.		s. d.
Demy 8vo, 8 in. by 5 in. ... each	0 8	Foolscap, 17 in. by 13 in. ... each	3 6
Crown 4to, 10 in. by 7 in. ... ,,	1 0	Crown, 20 in. by 15 in. ... ,,	4 9
Demy 4to, 11 in. by 8 in. ... ,,	1 3	Demy, 23 in. by 17 in.... ... ,,	6 3
Foolscap Folio, 13 in. by 8 in. ,,	1 6	Royal, 25 in. by 20 in.... ... ,,	7 6
Crown Folio, 15 in. by 10 in. ,,	2 0	Double Crown, 30 in. by 20 in. ,,	12 0
Demy Folio, 17 in. by 11 in.... ,,	3 0	Double Demy, 35 in. by 23 in. ,,	15 0
Royal Folio, 20 in. by 12 in.... ,,	3 9	Double Royal, 40 in. by 25 in. ,,	20 0

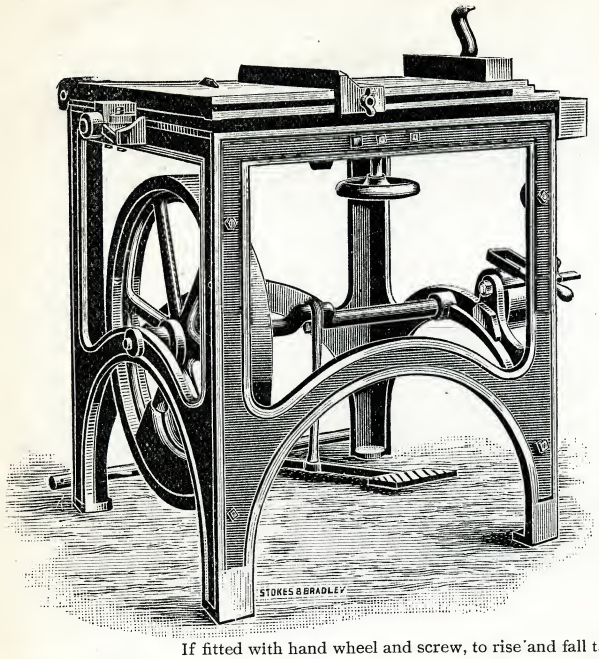
All sizes from Demy Folio upwards are tongued and clamped at both ends.



DALZIEL'S PATENT TWIN-CLAMP STEREO BLOCKS.

PRICES PER SET OF 32 PAGES:—

		£ s. d.
HT Set	64 Angle Blocks, to mount 32pp., from Post 32mo to Medium 32mo ...	3 10 0
	32 of each of the three Central Supports for expanding	4 0 0
T Set	64 Angle Blocks, to mount 32pp., from Medium 32mo to Foolscap 8vo	4 10 0
	32 of each of the four Central Supports for expanding	5 10 0
A Set	64 Angle Blocks, to mount 32pp., from Foolscap 8vo to Medium 8vo ...	5 0 0
	32 of each of the six Central Supports for expanding	8 0 0
B Set	64 Angle Blocks, to mount 32pp., from Medium 8vo to Crown 4to ...	7 10 0
	32 of each of the six Central Supports for expanding	10 10 0
C Set	64 Angle Blocks, to mount 32pp., from Crown 4to to Demy 4to... ...	12 0 0
	32 of each of the nine Central Supports for expanding	23 0 0



THE "STANDARD"

Circular Saw Benches.

For Printers & Stereotypers.

Will cut stereo 1 in. in thickness.

Extra Saws 7/6 each.

No. 1 is a combined Circular Saw Bench with Plane attached. The top plate is 28 in. by 27 in.; the largest space clear of Saw, &c., is 25 in. by 19½ in.; it is planed twice over so as to be equal to any imposing surface; is hinged at back, so that it can be swung over for taking saw out for sharpening; and has a T slot along the front for sliding gauge. It is fitted with steel saw spindle and saw to cut type high and runs on steel centres if for treadle only, or in long bearings if for treadle and power. It has a strong crank shaft; heavy turned fly wheel; and is mounted on strong iron framing.

Complete for Treadle only

— £9 —

For Treadle and Power

— £9 15s. —

If fitted with hand wheel and screw, to rise and fall table, **15/-** extra.

The above saw bench can be fitted with a larger table, size 37½ in. by 27 in., with saw to work clear of the framing and giving every facility for the working of large plates. Price on application.

No. 2 is a similar bench to No. 1, but is without the plane attached. The size of top plate is 27 in. by 20 in.; it is planed twice over so as to be equal to any Imposing Surface; is hinged at back so that it can be swung over for taking saw out for sharpening; and has a T slot along the front for sliding gauge. It is fitted with steel saw spindle and saw to cut type-high; and runs on steel centres if for treadle only, or in long bearings if for treadle and power. It has a strong crank shaft, heavy turned fly wheel, and is mounted on strong iron framing.

Complete for Treadle only ... **£7**

For Treadle and Power ... **£7 15s.**

"STANDARD"

Pillar Circular Saw.

HANDY. LIGHT. COMPACT.
PORTABLE.

Adapted for cutting Wood or Metal.

Table ... 20 in. by 20 in.

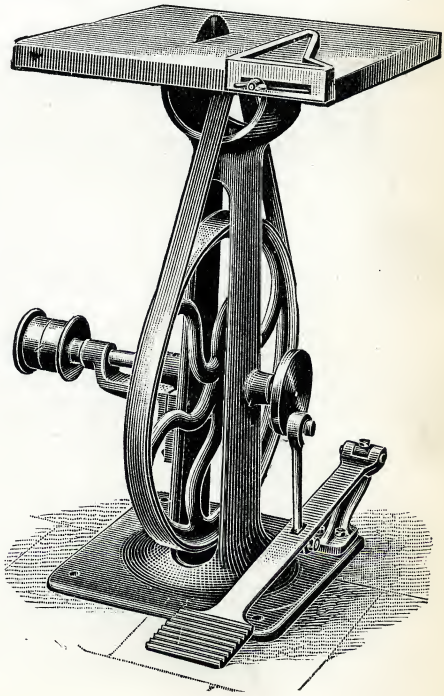
PRICES:

For Treadle only ... ... **£6 10s.**

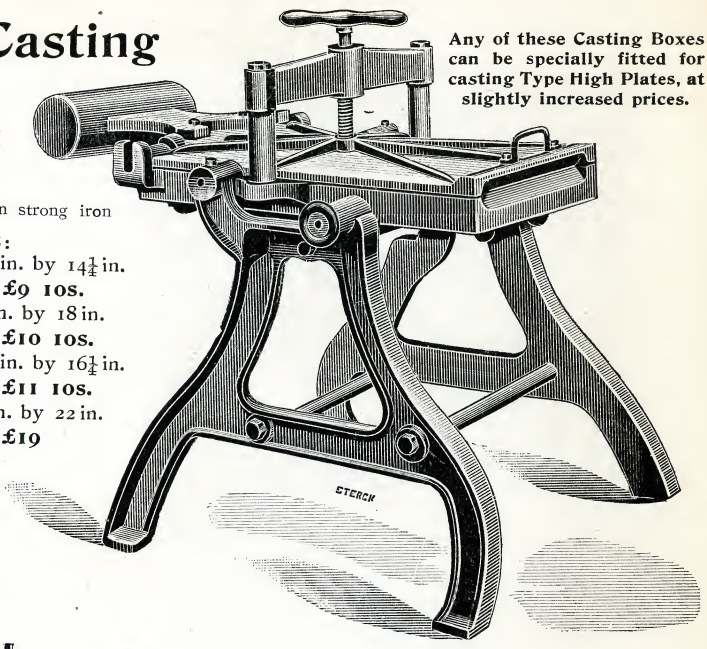
For Power only ... ... **£6 10s.**

For both Treadle and Power ... **£7**

Movable Fence or Guide, as illustrated, extra ... ... **10s.**



Stereo Casting Box.



Any of these Casting Boxes can be specially fitted for casting Type High Plates, at slightly increased prices.

The above represents an improved and accurately balanced Stereo Casting Box, fitted with atmospheric burner and tubing, and mounted on strong iron framing.

PRICES:

ROYAL FOLIO...23½ in. by 14¼ in. **£9 10s.**

CROWN... ...25 in. by 18 in. **£10 10s.**

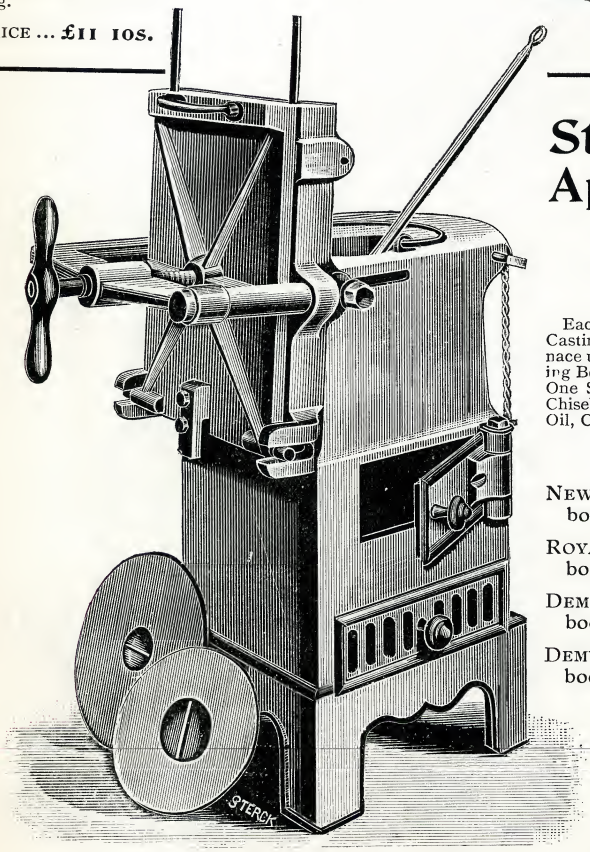
SPECIAL ...29½ in. by 16¼ in. **£11 10s.**

FULL DEMY ...28 in. by 22 in. **£19**

News Column Casting Boxes.

For casting type-high cored news columns to any set width up to 16 ems and up to 26½ in. long.

PRICE ... **£11 10s.**



Stereotyping Apparatus.

FOR BURNING COAL, COKE, OR CHARCOAL.

Each apparatus consists of Drying and Casting Press. with Metal Melting Furnace underneath; Iron Plane and Shooting Bench; Pica Gauges; Two Ladles; One Skimmer; Mallet; Hammer; Two Chisels; Two Punches; and Beating Oil, Chalk, and Paste Brushes.

PRICES:

NEWS SIZE, 28 in. by 14¼ in., book and jobbing ... **£17 10s.**

ROYAL FOLIO, 23½ in. by 14¼ in. book and jobbing ... **£14 10s.**

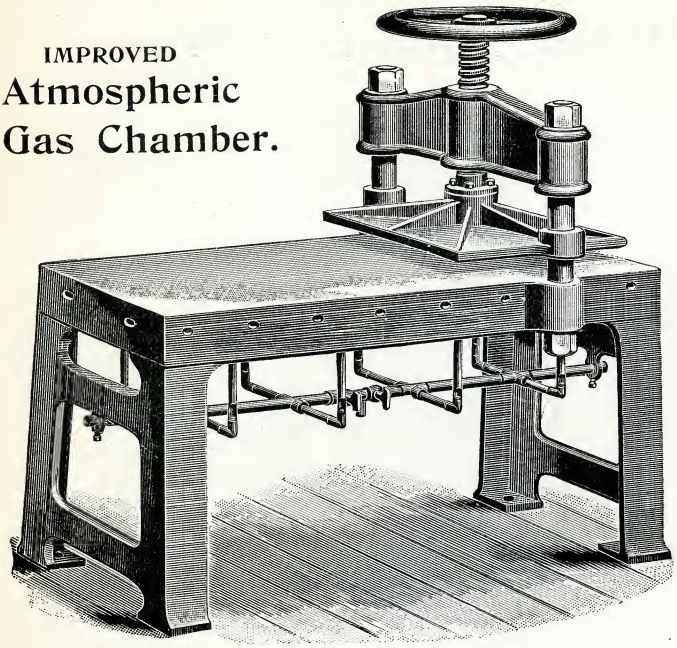
DEMY FOLIO, 18 in. by 11½ in., book and jobbing ... **£11 10s.**

DEMY QUARTO, 15 in. by 10¼ in., book and jobbing ... **£10 10s.**

This is a most compact, simple, and complete Apparatus, and can be worked in a small space. Only one Press is required for Drying and Casting.

IMPROVED

Atmospheric Gas Chamber.



SIZE:
30 by 34 by 34 in.

PRICE: **£38.**

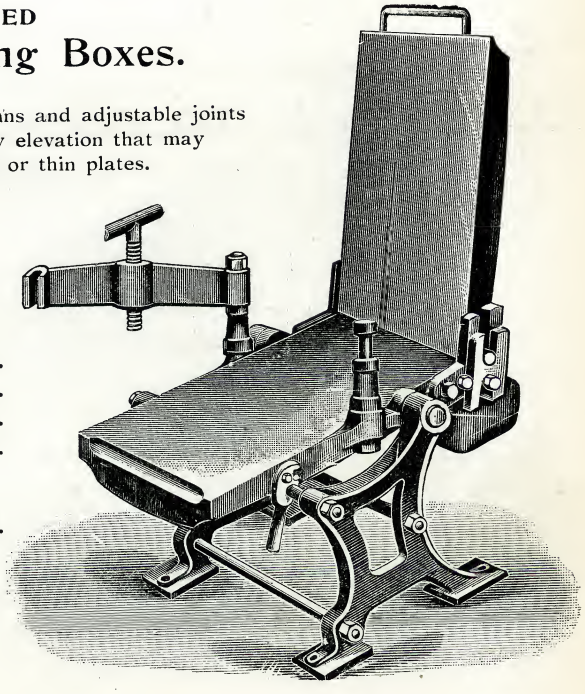
Other Sizes at Special Prices.

This Gas-heated Chamber is strongly constructed. It is fitted with Atmospheric Burners and Platen Press. The gas supply has two cocks, and so arranged that a greater heat can be had under the Platen, or an even heat all over the chamber, as required.

IMPROVED BALANCED

Stereo Casting Boxes.

Fitted with wrought-iron columns and adjustable joints for fixing to platen to any elevation that may be required for thick or thin plates.



PRICES:

Size of Platen.	
19 in. by 13 in.	£18.
25 in. by 16 in.	£24.
31 in. by 18 in.	£30.
32 in. by 23 in.	£38.
Special Column Casting Box, to cast a column up to 28 in.	£18.

Hand-Power Moulding Press.

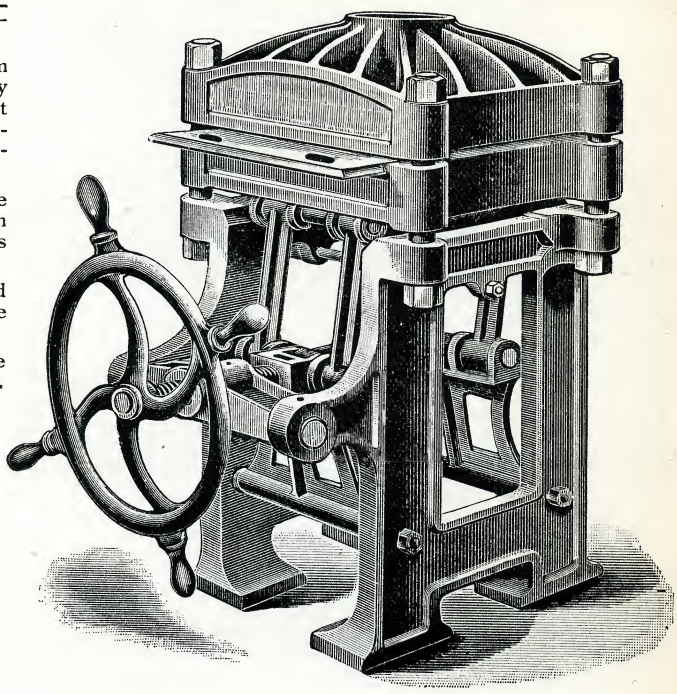
THIS Press has been designed unusually strong, and a great pressure can be sustained without straining any of its parts.

An important feature of the Press is that an even pressure is always given to the mould.

The Press will mould from the smallest forme up to 24 in. by 24 in.

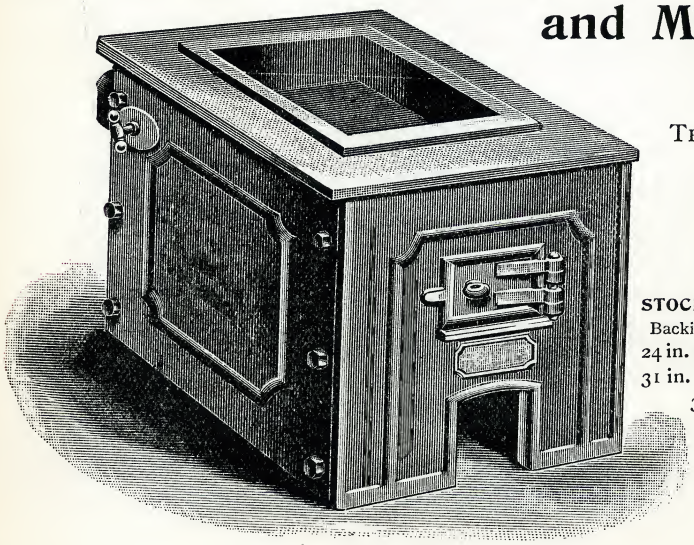
Space between the columns 25 in. by 24 in.

PRICE ... **£72.**



— Improved —

Electrotypers' Backing-up Furnace and Metal Pot.



THE FURNACE IS STRONGLY CONSTRUCTED OF IRON.

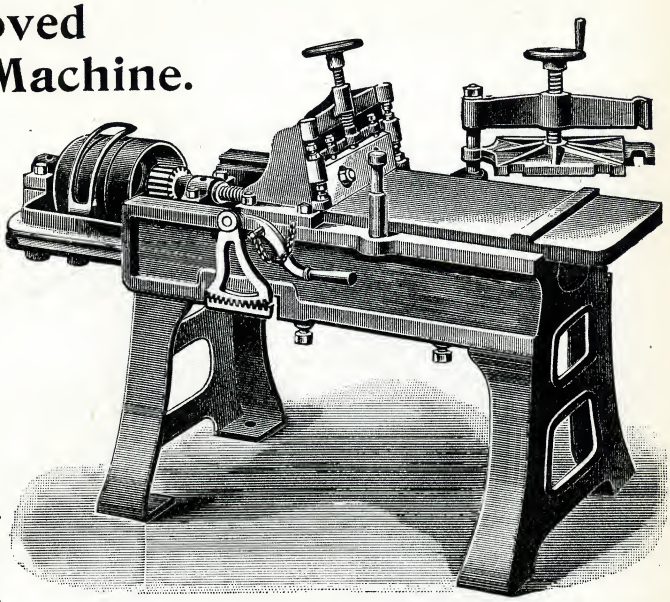
STOCK SIZES AS UNDER:

Backing-up Furnace and Pot.

24 in. by 18 in. ... **£21.**
31 in. by 24 in. ... **£28.**
37 in. by 30 in. **£36.**

Fixing Extra.

Improved Planing Machine.



FITTED FOR STEAM POWER, AND WITH ELEVATING HEAD.

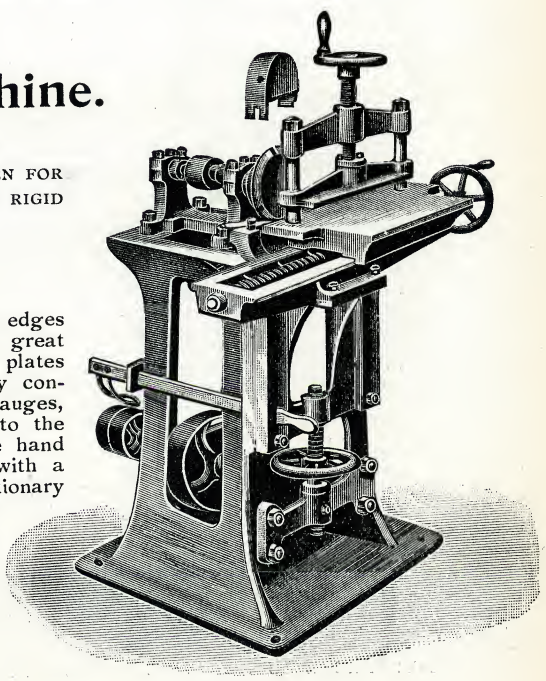
This Machine is very strong, well constructed, and self-containing. The planing knife can be easily adjusted to plane thin and type-high plates. This Machine is fitted with a screw platen to keep the plate flat whilst planing, also automatic striking gear and adjustable stops, strong gear wheels, and quick return motion.

PRICES:

Will plane plates up to	24 in. by 12 in.	**£90.**
Ditto	24 in. by 15 in.	**£105.**
Ditto	24 in. by 18 in.	**£120.**

Improved Bevelling Machine.

WITH CROSSHEAD AND PLATEN FOR HOLDING PLATES PERFECTLY RIGID WHEN BEING BEVELLED.



This Machine is for bevelling the edges of plates, and will be found of great assistance where many book-work plates are made. The table is strongly constructed, adjustable, is fitted with gauges, and can be raised or lowered to the desired height by means of the hand wheel. This Machine is fitted with a three-cutter head, and has a stationary knife for planing burs off the edges of plates. Countershaft, fast and loose pulleys, and hand-feed, with quick-thread screw.

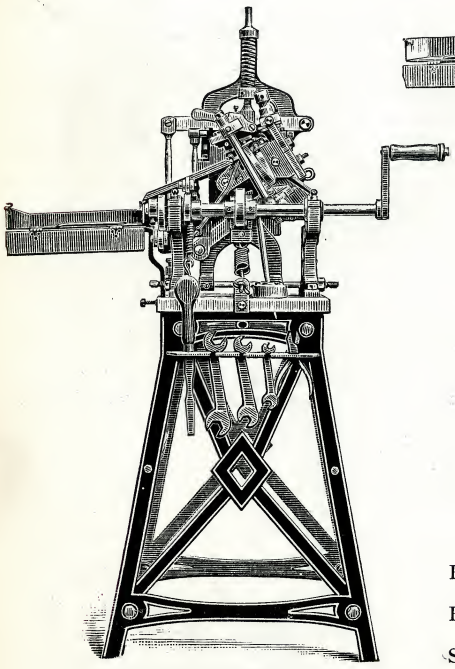
Size of sliding table, 24 in. by 12 in.
Will bevel plates up to 19 in.

PRICE ... **£68.**

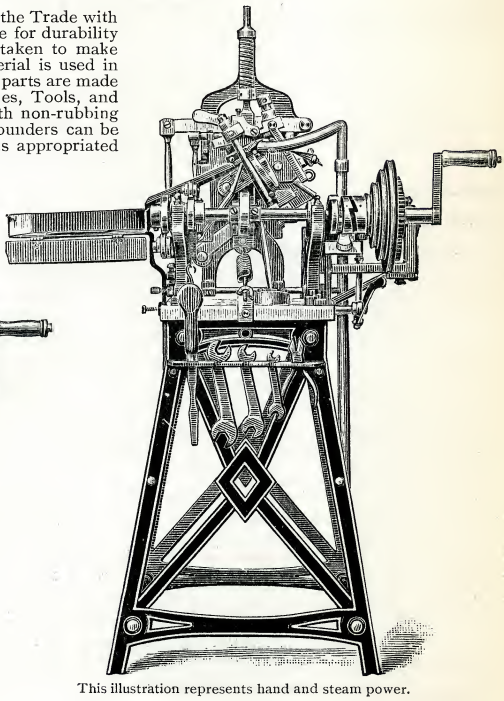
TYPE-CASTING MACHINES.

FOR GAS OR FUEL, COMPLETE.

WE place these Type-Casting Machines before the Trade with confidence. They will rank second to none for durability and workmanship. Every care has been taken to make these Machines complete, and only the best material is used in building, while, to facilitate repairs at any time, all parts are made interchangeable. We guarantee all our Machines, Tools, and Matrices. By using our breaking-off moulds with non-rubbing matrices, type equal to that of the leading type-founders can be produced, labour and space saved, and all profits appropriated by the user.



This illustration represents hand power only.



This illustration represents hand and steam power.

PRICES:

For Small Work, hand power only	£40	0	0
,, ,, hand or power	45	0	0
For Large Work, hand power only	45	0	0
,, ,, hand or power	50	0	0
Slow Gear attached to either size Machine	9	9	0

COMPLETE TYPE-CASTING OUTFIT, for one size body.

One small work Type-Casting Machine for hand power	£40	0	0
One set of Tools for same	0	15	0
Gas Burner, Fume Box, and Piping ...	1	1	0
One Mould to cast Type that requires no rubbing	3	10	0
One Mould to cast Spaces that require no rubbing	3	10	0
One Mould to cast Quads that require no rubbing	3	10	0
These Moulds cast from Pearl size to English; for larger sizes see next page.			
One Dressing Bench	6	15	0
One Dressing Rod	2	0	0
One Dressing Plane with two Cutters	1	13	6
One Turning Gauge	1	12	6
One Height to Paper Gauge, with Height to Paper Steel	1	10	6
One Lining Gauge	1	1	0
One Bodying Gauge, 12 ems deep ...	0	18	0
One Paging Iron	£0	6	0
Two Paging Galleys	0	17	6
Half-gross of Setting-up Sticks ...	1	18	0
One Fount of Roman Matrices, containing 143 at 4/6 each, for non-rubbed Type...	32	3	0
1 fount Roman Matrices comprises—low. 34, caps. 28, small caps. 28, points 10, figs. and £ 11, rules 5, references 6, braces 3, middle and corner 3, signs 15, space and quad mats. 9.			
One Fount of Italic Matrices, containing 79 at 4/6 each, for non-rubbed Type...	17	15	9
One fount Italic Matrices—low. 44, caps. 28, figs., £ and $ 12, points 5.			
Kerning Machines, Improved, with File	4	0	0
Total	£126	8	9

The No. 1 Machine will cast from the smallest type up to 2-line Pica.

Matrices and Moulds made to any Founders' standard or for point system at same prices as above.

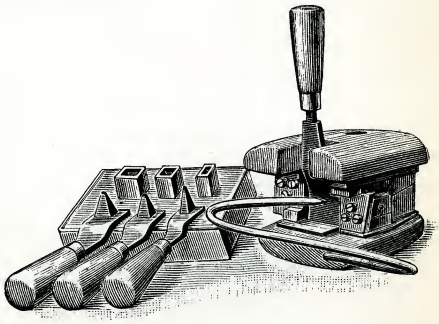
NOTE.—It is desirable to have an extra set of Nipple, Jobber, and Plate, price 15/6. Where rules and braces are required to be cast, a Rule Mould is necessary, price £3 10s. The Machines are made with heating apparatus for melting the metal, either for gas or fuel, as desired.

FOR LARGER OUTFITS SEE ADDITIONAL APPLIANCES NEXT PAGE.

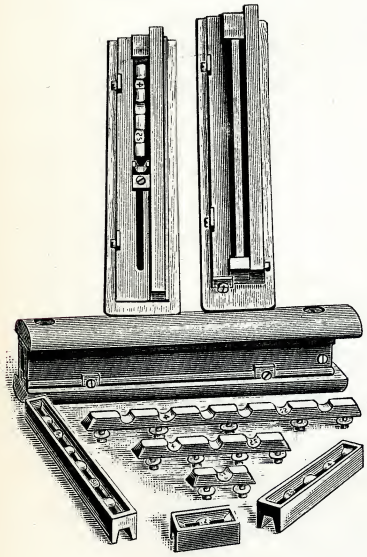
Additional Appliances for Type-Casting Outfits.

QUOTATION MOULD.

Quotation Mould ..	each, from	£4	10 0
Cores for same		0	12 6



This illustration shows 4-line Pica Mould, with Cores for 4 by 2, 4 by 3, and 4 by 4 quotations.



FRENCH METAL FURNITURE MOULD.

Plain Furniture Mould, to cast 60 ems long		£4	17 6
French ,, ,,	50 ,,	6	5 0
Short ,, ,,	20 ,,	4	5 0
Ornamental Cores for same ...	each from	0	7 6

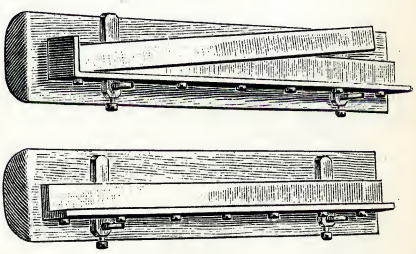
This illustration represents a mould closed and another open, to illustrate working of various cores.

This is a 50 em mould and by simply removing one core and fixing any other, the desired length is cast. Cores are made by 1 em, or any lengths to order up to 72 ems. Cores and furniture are shown in illustration.

Furniture Finishing Bench, with Plane complete 7 5 0

LEAD OR CLUMP MOULD.

Adjustable Lead Mould, 50 ems long		£3	5 0
Do. do.	60 do.	3	15 0
Do. do.	72 do.	4	0 0
Do. do.	85 do.	4	5 0
Lead Cutter, fitted with gauge ..		1	10 0
Lead Scraper, mounted on iron stand		0	12 6



This illustration shows adjustable mould to cast 8, 6, and 4-to-pica leads.

While adjustable to all sizes it has been found the greatest economy to have a set of moulds for 8, 6, and 4-to-pica, and never alter them.

The same class of mould is made for Pica, Great Primer, and Double Pica Clumps, Prices 6/6 extra on above prices.

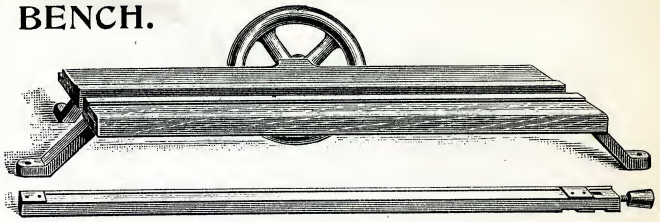
Type Casting Sundries.

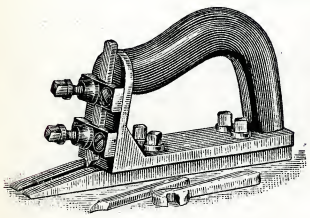
DRESSING BENCH.

This represents bench with dressing rod in front.

Length of bench, 31 in.
Rod, 34 in.

PRICE ... **£7 10s.**





DRESSING PLANES.

To groove up to 3-line		**£1**	**10** **0**
To groove 3-line and upwards (as illustration)		**2**	**5** **0**
Cutters for Dressing Planes	per doz.	**0**	**14** **0**

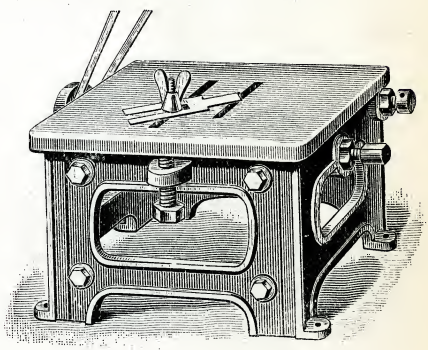
ROTARY KERNING MACHINE.

With two cutters	**£5**	**10**	**0**
Ditto on Treadle Stand	**7**	**5**	**0**

STEAM POWER **£2** EXTRA.

KERNING.—The worrying and expensive department in type-founding made a pleasure by using the newest "Rotary" Kerning Machine—simple, effective, and speed more than tripled.

By the use of this simple machine the tedious and expensive system of kerning by the old file process is done away with. An adjustable guide is provided so that any angle can be obtained, and each machine is provided with an emery wheel for sharpening the cutters. While the files cost from **7/6** each, the cutters made any angle can be fitted from **9d.** each. The output is almost doubled and the machine can be worked by a boy or girl.



Miscellaneous—for Casting Foundries.

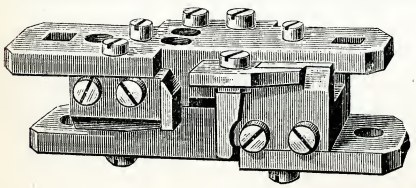
Dressing Knives ... each	£0	7	6
Dressing Rod, small work ...	2	0	0
Ditto large work ...	2	10	0
Rubbing Files	0	12	6
Rubbing Stones	0	12	6
Justifier's Square	0	8	6
Justifier's Straight-edge ...	£0	7	0
Ditto Jointer ... from	1	7	6
Oak Cabinets for matrices and moulds ... ... each	5	10	0
Oak Trays for matrices ,,	0	4	0
Type Metal, good quality, per cwt.	1	8	0

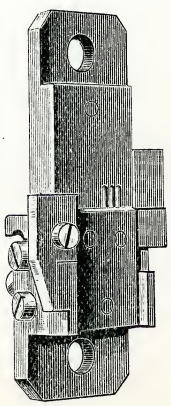
TYPE, SPACE, AND QUAD MOULDS FOR LARGER SIZES.

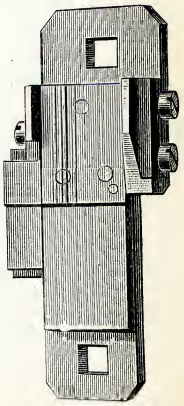
Above English to 2-line Pica each	**£3**	**17**	**6**
,, 2-line Pica to 3-line Pica ,,	**4**	**5**	**0**
,, 3-line Pica to 4-line Pica ,,	**4**	**12**	**6**
,, 4-line Pica to 5-line Pica ,,	**5**	**10**	**0**
,, 5-line Pica to 6-line Pica ,,	**6**	**0**	**0**
Below Pearl to Minikin ... ,,	**5**	**15**	**0**

Other Sizes see page 209.

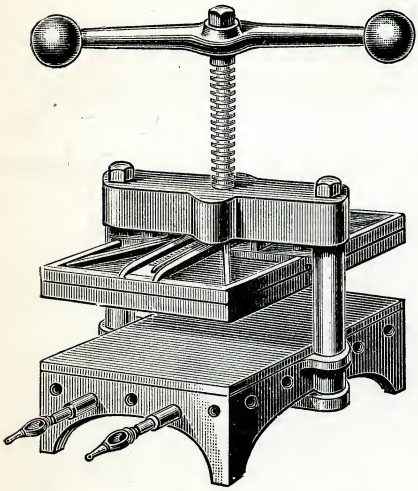
These illustrations represent a machine mould closed and open







Rubber Stamp Making Outfits.





The No. 2 Vulcanizer has a Wheel on top for screwing down.
Nos. 3 and 4 have Swing Balls as shown.

No. 1 OUTFIT.

	£	s.	d.
No. 2 Gas Vulcanizer, Platen 8½ in. by 6 in. Fitted with Atmospheric Burner and 1 Graduated Thermometer	3	0	0
No. 2 Moulding Machine, size inside Chase, 4½ in. by 7½ in., with 1 Mould Plate and 8 Springs	2	0	0
Extra Mould Plate	0	15	0
Steel Mould Gauge	0	4	6
1 Gas Stove, 10 feet Gas Tube	0	10	6
Sundries—10 lb. Moulding Composition at 5d., 4/2; 1 bag Modelling Plaster, 1/8; 1 lb. Dextrine, 1/8; French Chalk, 9d.; Knife, 1/6; 2 Brushes, 1/-; 100 sheets Moulding Paper, 3/-; Cloth and Wood Rule, 1/6; Oil Brush, 9d.	0	16	0
No. 1 Complete Outfit	**£7**	**6**	**0**

No. 2 OUTFIT.

	£	s.	d.
No. 2 Vulcanizer, Platen 12 in. by 10 in. Fitted with Atmospheric Burners and 2 Graduated Thermometers...	7	10	0
No. 3 Moulding Machine, size inside Chase, 10 in. by 8 in., with 1 Mould Plate and 8 Springs	3	10	0
Extra Mould Plate	1	10	0
2 Loose Chases...	0	10	6
1 Steel Mould Gauge	0	6	0
1 Gas Stove, 10 feet Gas Tube	0	10	6
Sundries as No. 1	0	16	0
Best Rubber, 2 lb. at 6/- per lb.	0	12	0
No. 2 Complete Outfit	**£15**	**5**	**0**

No. 3 OUTFIT.

	£	s.	d.
No. 4 Vulcanizer, Platen 14 in. by 10½ in. Fitted with 2 Atmospheric Burners and 2 Graduated Thermometers...	10	10	
No. 4 Moulding Machine, size inside Chase, 12 in. by 8 in., with 1 Mould Plate and 8 Springs	4	10	0
Extra Mould Plate	2	0	0
2 Loose Chases	0	16	6
1 Steel Mould Gauge	0	8	0
1 Gas Stove, 10 feet Gas Tube	0	10	6
Sundries as No. 1	0	16	0
Best Rubber, 3 lb. at 6/- per lb.	0	18	0
No. 3 Complete Outfit	**£20**	**9**	**0**

PROCESS BLOCKS.

Letterpress Zinco Blocks.

Blocks made, enlarged, or reduced by special process. Specially adapted for letterpress printing—Catalogues, Magazine, &c., work.

The Best Work Guaranteed.

Blocks of every kind Engraved.

This Block is a Reversed and Reduced Zinco of Cover of our 189 Supplement Type Catalogue.

Original Size, 8 in. by 5 in.



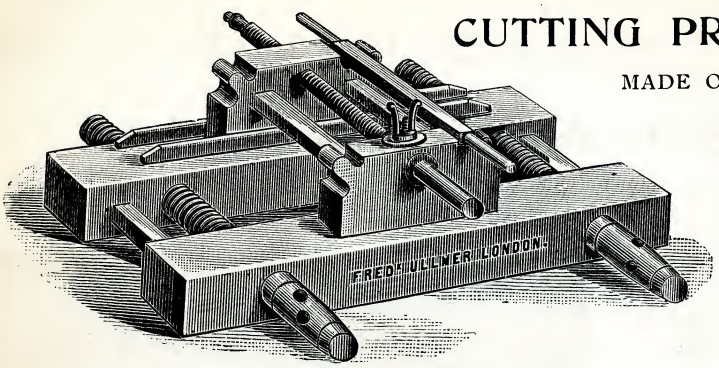
The Original was Solid—the Reduction shows the Reverse.

Price for Zinco Line Blocks, mounted type high, per square in.	...	**4d.**
Price for Half-Tone Blocks, from photos, wash drawings, &c., on zinc, enlarged, or reduced ... ... per square in.	...	**1/-**
Embossing Zincos on thick zinc ... ... per square in.	...	**8d.**
Reversed Blocks, same as sample shown, extra per square in.	...	**1d.**

Stereos or Electros taken from formes and returned promptly.

CUTTING PRESSES.

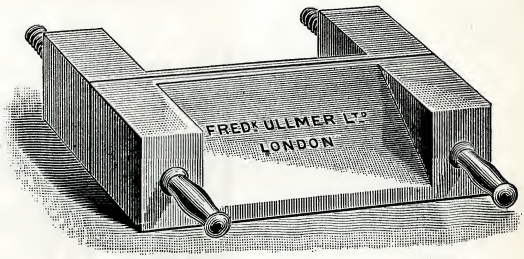
MADE OF THE BEST PREPARED WOOD.



Cutting Press, with Plough, Pin, and Knife, large size, 42 in. ..	£2	0	0
Middle Size ,, 36 in. ..	1	16	0
Small Size ,, 30 in. ..	1	10	0
Atlas Cutting Press, with Guide Board, Stand, Plough, Pin and Knife	4	4	0
Press Pins .. 2/6, 2/9, and	0	3	0
Cutting Press, Plough, Pin, and Knife, with board and shelf for cutting large or small work	3	10	0

Plough for Cutting Press ..	£0	8	0
Plough with Sliding Knife ..	0	14	0
High Plough	0	14	0
Plough Knives, 18/- per doz. each	0	1	6
Sliding Knives, 18/- ,, ,,	0	1	6
Open Tub for Cutting Press ..	0	15	0
Close Tub and Cover for Large Size Cutting Press ..	2	0	0
Close Tub and Cover for Middle Size Cutting Press ..	2	0	0
Gilding Press, with long screw	1	10	0

FINISHING PRESSES.



Outside measure, 18 in. ..		14/-
Ditto	20 in. ..	16/-
Ditto	22 in. ..	18/-
Ditto	24 in. ..	20/-

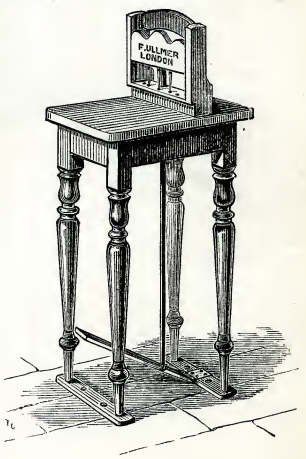
IMPROVED

TREADLE STABBING MACHINE.

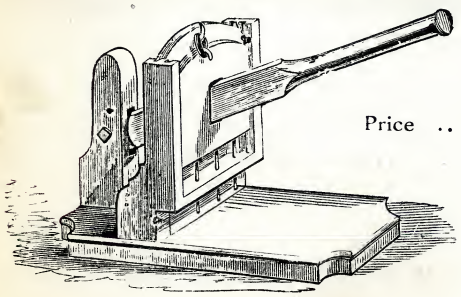
This Stabbing Machine contains many advantages:—

1.—It is made complete with Stand, thus requiring no fixing.
2.—It is worked by Treadle, thus leaving both hands of the person using it at liberty, and consequently is far more speedy.
3.—The return action is obtained by a strong India-rubber spring, instead of the old-fashioned wood spring, so frequently breaking.
4.—The needles are so fitted as to be removed to a wider distance apart when required for stabbing larger work.

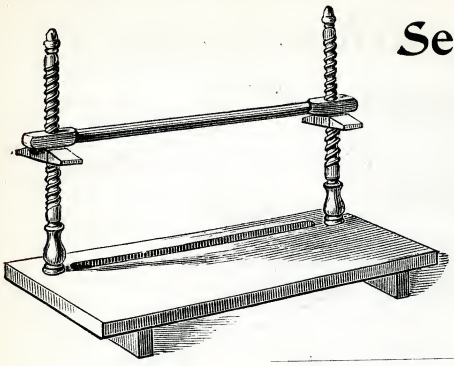
Price, complete with Stand, 26/- net.



STABBING MACHINE.



Price .. 18/-



Sewing Presses.

Small, 20 in. between screws	...	7/6
Middle, 23 in. ,,	...	8/6
Large, 26 in. ,,	...	10/=
Extra Large, 30 in. ,,	...	12/6
Keys for Cord or Tape	... per doz.	3/6

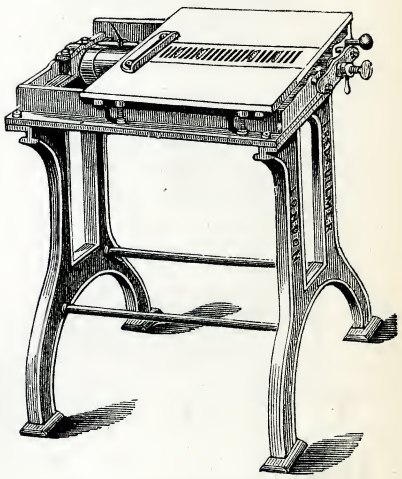
Needles	... per pkt.	from 9d. to 1/-
Silk	... ,, ,,	2/6
Cord	... per ball ,,	6d. to 1/-
Twine	... ... per ball,	1/-
Binders' Thread, best quality	per lb.	from 3/-

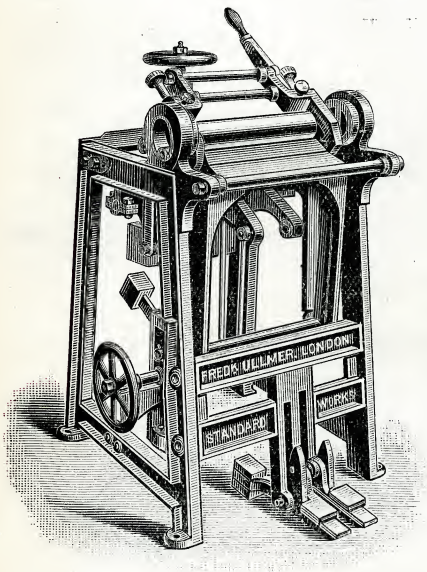
Special quotation for quantity.

Bookbinders' Saw Bench.

This Machine is for sawing the Backs of Books; and it is arranged for foot or steam power, including seven Circular Saws, and various sized Washers for changing every quarter-of-an-inch.

Price, **£18** and upwards.





Bookbinders' Backing Machine.

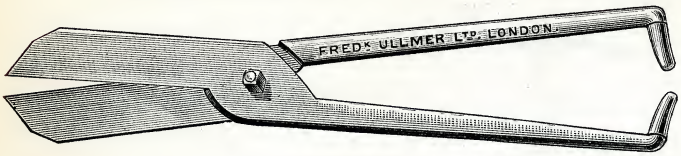
For Cloth or Leather work, of great power, and with all recent improvements.

DIRECTIONS FOR USING THE BOOK-BACKING MACHINE.

According to the thickness of the book, so must the segment of the circle be set. For a thick book the circle must be large, for which turn upwards the thumb-screws attached to the roller. For a thin book lower the roller by turning the thumb-screws down. After having placed the book in between the jaws, and got the required nip (which is done by turning the wheel that stands on the top of the Machine), you lock it by treading on the left-foot treadle; then take the roller-frame, holding the handle upright, tread on the right-foot treadle, and lock it; then try the roller backwards and forwards carefully until you have formed the groove. If you find that you are too hard on the book, turn the wheel on the left side of the Machine, and draw the double-ended wedge so as to lower the jaws. If you, on trying again, find that the roller comes too hard on the groove part of the book, and is difficult to bring over, you may then expect the circle is set too small, and raise the roller accordingly. When you are trying the circle, and the roller comes on the middle of the back, and drops easily over each side without forming a groove, the circle is too large. To remedy this, set the roller down a little. After having got the circle right, you must put more or less pressure on the book by turning the wheel that raises or lowers the jaws. After having backed the book, hold the roller-frame by the left hand, inclining it backwards; place your right hand under the jaws to receive the book; then with your right foot tread across the two projecting pedals, and the book will drop into your hand, and the roller-frame you will ease down to its resting place on the wood.

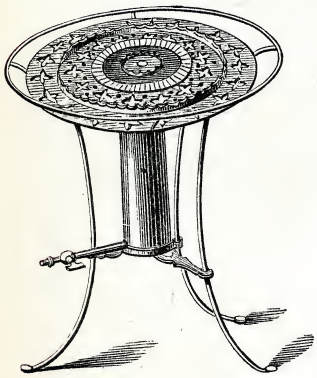
Length in Jaw—14 inches, **£35**; 15 inches, **£38**; 20 inches, **£46.**

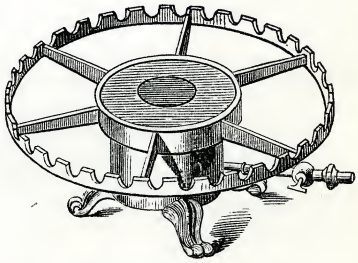
Millboard Squaring Shears.



7 in. Blade .. 18/6
8 in. ,, .. 25/=
9 in. ,, .. 30/=

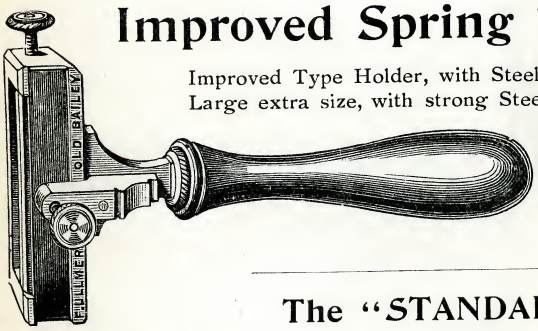
Bookbinders' Stoves.





Finishing Stove	£2	10 0
Small size Stove	0	16 0
Stove for heating glue ..	0	12 0

Improved Spring Type Holder.

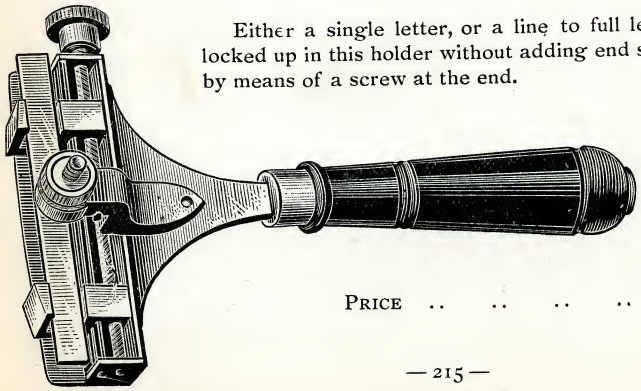


Improved Type Holder, with Steel Spring Slide .. 7/6
Large extra size, with strong Steel Spring Slide .. 10/=

Type Holders made to any size.

The "STANDARD"

Self=Spacing Type Holder.



Either a single letter, or a line to full length of case, can be locked up in this holder without adding end spaces. It is adjusted by means of a screw at the end.

PRICE .. .. 20/=

Bookbinding Department—*continued.*

SUNDRIES.

	s.	d.
Bookbinders' Thread .. per lb., from	3	0
,, Cord .. per ball	0	8
,, Varnish per pint	2	6
Beating Stone or Iron, on stand ..	50	0
,, Hammer .. 4/- and	6	0
Backing ,, .. 2/- and	3	0
Band Nippers .. .. .. from	3	6
Bodkins and Handles .. 6d. to	1	0
,, ,, for tape ..	1	0
Bone Folders .. each, 6d., 8d.	0	9
Creaser, 1, 2, or 3 line .. 2/- to	2	6
Clasps .. .. .. per doz.	1	0
Gold Cushion	3	6
,, with drawer	8	6

	s.	d.
Girls' Stools .. .. each, from	3	0
Glue Pots .. .. from 2/- to	7	6
Gold Leaf .. per book, from	1	6
Knocking Down Irons .. 4/6 to	5	6
Needles .. .. per packet, from	0	6
Polishing Irons .. 3/6 and	5	0
Paste Tub .. .. 2/6 and	3	6
Scrapers .. .. 6d., 9d., and	1	0
Straight Edges per inch, from	1	0
Trindles .. .. per pair, ,,	2	0
Treadle Grindstone, on stand 20/- to	30	0
Vermilion, prepared for colouring edges .. .. ..per lb.	6	0

SILK AND COTTON HEAD BANDS.

	s.	d.
Cotton, all sizes, in bags of 12 yards .. .. 2/6, 3/6, and	4	6
Silk ,, ,, ,, ... 3/6, 4/-, and	4	6

Cloth Book Cover Ink, to dry with a gloss .. ..per lb. 6 0

COMPASSES.

	s.	d.
Common .. .. .. from	1	0
Spring Dividers .. .. ,,	2	9

	s.	d.
Best Lancashire Wing Compasses, each, 3/- and	5	0

KNIVES.

	s.	d.
Gold Knives .. .. .. 1/6 to	2	6
Paring Knives .. .. 10d. to	1	0
Trimming Knives	2	6
Cutting-out Knives .. 1/- and	1	6
Paper Knives	3	6

	s.	d.
Paper Knives, horn handle	5	6
Plough Knives .. each, 1/6; per doz.	18	0
Plough Sliding Knives each, 1/6; per doz.	18	0
Palette Knives .. 1/-, 1/6, 2/6, and	3	6

SHEARS AND SCISSORS.

	s.	d.
Millboard Squaring, small size, 7 in.	18	6
,, ,, usual size, 8 ,,	25	0
,, ,, large size, 9 ,,	30	0
Hand Shears, 10 in.	4	6

	s.	d.
Hand Shears, 11 in.	5	6
,, ,, 12 in.	6	6
Strong Scissors per pair, 3/-, 3/6, and	5	0

BRUSHES.

	s.	d.
Glue .. .. each, 1/6, 2/-, and	3	6
Paste .. .. ,, 1/9, 2/3, and	3	6
Sprinkling .. ,, 2/6, 3/6, and	4	6
Finger Sprinkling ,, 1/-, 1/6, and	2	6

	s.	d.
Gilders' Tip .. .. .. from	0	6
Size .. .. each, 8d., 1/-, and	1	6
Stencil .. .. from	0	4

PALLETS, &c.

	s.	d.
Single line .. .. per set	10	0
Two line .. .. .. ,,	13	0
,, thick and thin .. ,,	13	0
Three line .. .. .. ,,	15	0

	s.	d.
Curves .. .. .. per set	8	0
Gouges .. .. ,,	14	0
Half-Circle .. .. .. ,,	10	6
Creasers, 1, 2, or 3 line .. 2/- to	2	6

Bookbinding Department—*continued.*

PRESSING BOARDS.

Size	inches		s.	d.
Demy 12mo ..	8 by 5	per pair	1	0
,, 8vo ..	10 ,, 6	,,	1	4
Royal 8vo ..	11 ,, 7	,,	1	6
Imperial 8vo ..	12 ,, 8	,,	2	0
Double 12mo ..	12 ,, 10	,,	2	0
Demy 4to ..	13 ,, 9	,,	3	0
Royal 4to ..	14 ,, 10	,,	3	6
Foolscap Folio	16 ,, 10½	,,	4	0
Long Foolscap	18 ,, 7	,,	3	6
Demy Folio ..	18 ,, 11½	,,	5	0

Size	inches		s.	d.
Long Demy ..	20 by 9	per pair	4	6
Long Medium	20 ,, 11	,,	6	0
Medium Folio	20 ,, 13	,,	7	0
Royal Folio ..	22 ,, 14	,,	8	0
Crown	22 ,, 18	,,	10	0
Imperial Folio	24 ,, 16	,,	10	0
Demy	24 ,, 19	,,	12	0
Royal	26 ,, 20	,,	14	0
Super Royal ..	27 ,, 21	,,	16	0
Imperial ..	30½ ,, 22½	,,	18	0

Pressing Blocks of all kinds and sizes made to order.

All sizes Pressing Boards, from Demy Folio upwards, are tongued and clamped both ends.

CUTTING BOARDS.

Size	inches		s.	d.
18mo ..	6 ..	per pair	0	2
12mo ..	8 ..	,,	0	3
8vo ..	10 ..	,,	0	4
Royal 8vo	11 ..	,,	0	5
4to ..	12 ..	,,	0	6
Royal 4to	13 ..	,,	0	7

Size	inches		s.	d.
Foolscap Folio	15 ..	per pair	0	8
Demy ,,	18 ..	,,	0	10
Medium ,,	20 ..	,,	1	0
Royal ,,	22 ..	,,	1	3
Imperial ,,	24 ..	,,	1	6
Parallel Cutting Boards		per yard	1	0

BACKING BOARDS.

Size	inches		s.	d.
18mo ..	6 ..	per pair	0	4
12mo ..	8 ..	,,	0	5
8vo ..	10 ..	,,	0	6
Royal 8vo ..	11 ..	,,	0	7
4to ..	12 ..	,,	0	8
Royal 4to ..	13 ..	,,	0	10
Foolscap Folio	15 ..	,,	1	0

Size	inches		s.	d.
Demy Folio	18 ..	per pair	1	3
Medium ,,	20 ..	,,	1	6
Royal ,,	22 ..	,,	1	9
Imperial ,,	24 ..	,,	2	0
Trindle ..	per yard, 5d. and		0	8
Gilding Board ..	per foot, 6d. to		1	0

CARRYING-OUT BOARDS.

		s.	d.
Royal 8vo	per pair	1	6
Demy 4to	,,	2	0
Royal 4to	,,	2	6
Foolscap Folio ..	,,	3	0

		s.	d.
Demy Folio	per pair	3	6
Medium ,, ...	,,	4	0
Royal ,, ...	,,	4	6

RUSSIA GRAINING BOARDS.

	Per pair s.	d.	Per set s.	d.
8vo	8 0 ..		12	0
4to	15 0 ..		25	0
Foolscap ..	20 0 ..		30	0

	s. Per pair	d.	s. Per set	d.
Demy	30 0 ..		40	0
Medium	30 0 ..		50	0
Royal	45 0 ..		60	0

PRESSING TINS.

Size	inches		s.	d.
12mo ..	8 by 5	.. each	0	9
Demy 8vo	10 ,, 6	.. ,,	1	0

Size	inches		s.	d.
Royal 8vo	11 by 7	.. each	1	2
Royal 4to	14 ,, 10	.. ,,	1	9

RULES.

		s.	d.
Stationers' Size Rule		5	6
Ditto Plain ..	1/9 and	2	6
Ditto with Brass Edges	5/- and	6	6

		s.	d.
Bookbinders' Rule ..	3/6 and	4	6
Vellum Binders' Rule		7	0

Bookbinding Department—*continued.*

FILLETS.

	s.	d.		s.	d.
Single line	6	0	Three line	7	6
Two ,, ...	6	6	Guinea Edge	8	6
,, ,, thick and thin	7	0	Dotted	8	0

ROLLS.

	s.	d.		s.	d.
Rough Calf .. .. ..18/- to	20	0	Cat's Tooth .. .. .. from	12	6
Edge .. .. from	15	0			

Handle Letters, Fillets, and Rolls repaired and re-cut.

For specimens of Pallets, Fillets, and Rolls, see complete Bookbinders' List.

BLOCKING ORNAMENTS CUT TO ORDER OR NEW DESIGNS FURNISHED.

Bookbinders' Tools cut to any pattern.

BURNISHERS.

	s.	d.		s.	d.		s.	d.
Tooth Agate ..	4	6	Flat Agate ..	6	0	Bloodstone, from 8/- to	12	0

SQUARES.

	s.	d.		s.	d.
18 in. Iron	2	6	7½ in. Best Plated, with Steel Blade	3	9
4½ in. Best Plated, with Steel Blade	2	6	9 in. ,, ,, ,,	4	0
6 in. ,, ,, ,,	3	0			

MATERIALS FOR MARBLING.

	s.	d.		s.	d.
Combs .. .. ..per set, from	10	6	Gum Dragon .. .. ..per lb.	4	0
Stone and Muller	25	0	Marble Slab	5	0

Troughs made to any size from 8/6.

COLOURS FOR MARBLING.

In 1 lb. and 2 lb. air-tight Jars.

	s.	d.		s.	d.
Drop or Carmine Lake ..per lb.	35	0	Chinese Blue .. .. ..per lb.	4	6
Damp Lake .. .. .. ,,	6	0	Black .. .. ,,	3	6
Indigo .. .. ,,	10	0	Indigo Black .. .. .. ,,	6	0
Orange .. .. ,,	4	0	Green .. .. ,,	4	6
Yellow .. .. ,,	3	6	Vermilion .. .. .. ,,	7	6
White .. .. ,,	3	0			

STRAW BOARDS.

BEST QUALITY AND IN VARIOUS THICKNESSES.

	s.	d.
Size, 25 in. by 30 in., various thicknesses .. .. per cwt., from	15	0

MILL BOARDS.

BEST QUALITY AND ALL SIZES FROM FOOLSCAP TO IMPERIAL.

	s.	d.
Supplied in bundles of 1 cwt., according to thickness .. per cwt., from 25/- to	50	0

Not less than a bundle supplied.

LINING OR BODY PAPERS.

	s.	d.
Demy, in various colours .. .. per ream, from	18	0

Surface, Brown, Cartridge, Embossed, and Fancy Printing Papers.

Bookbinding Department—*continued.*

LEATHERS.—Good Quality.

			£	s.	d.		£	s.	d.
Skivers.	Plain, coloured	per doz., from	1	10	0	to	2	15	0
,,	Glazed, coloured	,,	1	6	6	,,	2	10	0
,,	Long Grained, coloured	,,	1	10	0	,,	2	15	0
,,	Cross Grained, coloured	,,	1	12	0	,,	3	3	0
,,	Goat Grained, coloured	,,	1	12	0	,,	3	3	0
,,	Paste Long Grained, coloured	,,	3	0	0	,,	4	10	0
	Fancy Shades, 6/- per dozen extra.								
	Sizes of Skins vary from 30 in. by 29 in. upwards.								
Basils.	Levant Grained, coloured	per doz., from	3	10	0	,,	4	10	0
,,	Glazed Red Ledger, coloured	,,	3	10	0	,,	4	10	0
,,	Diced ,, ,,	,,	3	17	6	,,	4	17	6
,,	Glazed Roller, from 27 in. by 24 in., upwards	,,	1	5	0	,,	2	0	0
Roans.	Long Grained, coloured, 32 in. by 30 in. ,,	,,	4	0	0	,,	5	0	0
Calf.	Smooth	,,	3	5	0	,,	8	5	0
,,	Rough	,,	1	10	0	,,	7	10	0
	Sizes vary from 22 in. by 15 in. upwards.								
,,	Coloured	,,	6	10	0	,,	8	8	0
Persian.	Smooth	,,	1	18	6	,,	4	0	0
,,	Rough	,,	1	12	0	,,	3	10	0
Sheep.	Smooth	,,	1	6	0	,,	4	7	6
,,	Rough	,,	1	2	6	,,	3	7	6
Morocco.	Levant Grained Coloured Persian	,,	4	0	0	,,	5	10	0
,,	Hard ,, ,, ,,	,,	7	10	0	,,	9	0	0
,,	Long Grained Lettering, 26 in. by 21 in.	,,	5	10	0			—	

The above Prices are at per dozen skins, single skins charged a little extra.

IMITATION OR FIBRE LEATHERS.

	£	s.	d.
Grade A, Assorted Colours, in sheets 32 in. by 22 in. price per ream of 480 sheets	3	15	0
,, B, ,, ,, ,, ,,	4	5	0

FIBRETTE.

	£	s.	d.
Assorted Colours and Grains, in 50-yard rolls, 24 in. wide, price per roll ..	0	12	6
,, ,, in sheets, size 36 in. by 24 in., per ream of 480 sheets	4	5	0

Samples on Application.

CLOTHS.

		s.	d.			£	s.	d.
Plain Cloths—All Colours	per yard	0	9	..	per piece of 36 yards	1	1	0
Common Colours—All Patterns	,,	0	10	..	,, ,,	1	2	6
Extra. Reds and Scarlets	,,	0	11	..	,, ,,	1	10	0
,, Mauves and Magentas	,,	1	0	..	,, ,,	1	12	0
,, Crimson	,,	1	0	..	,, ,,	1	12	0
,, Ultramarines & Peacock Blues	,,	1	0	..	,, ,,	1	12	0
,, Bright Greens, various	,,	1	0	..	,, ,,	1	12	0
,, Browns and Drabs	,,	1	0	..	,, ,,	1	12	0
,, Maroons and Chocolates	,,	0	11	..	,, ,,	1	10	0
,, Sage Greens	,,	0	11	..	,, ,,	1	10	0
,, Terra Cottas	,,	0	11	..	,, ,,	1	10	0
Paper-lined Cloths, all shades	,,	0	10	..	,, ,,	1	5	0
Metallic Colours		—		..	,, ,,	1	15	0
Marble Cloths, paper-lined		—		..	,, ,,	1	8	0

BUCKRAMS.

Linen Buckrams, best quality, various colours, 2/- per yard; low quality, 1/9 per yard.
In Rolls of about 38 yards, 36 in. wide.

Bookbinding Department—*continued.*

NEW ART FABRICS.

Art Vellum, patent linen finish, 9d. ; second quality, 8d. per yard.
Art Canvas, patent lined, 1/3 per yard. Art Linen, patent lined, 11d. per yard.
In Rolls of about 38 yards, 36 inches wide.

UNION CLOTH.

White, 9d. per yard ; Buff, 10d. per yard ; Green, 11d. per yard.
In Roll of 40 yards, 36 inches wide.

HOLLAND CLOTH.

Brown or Black, from 8d. per yard.

Glazed Cloths, for lining indexes	per yard	0	5
Preserved Paste, for Bookbinders	per 28 lb., 4/-. 56 lb.	6	9
Paste Tubs	each, from	3	6
Paste Brushes, zinc bound	each, from	2	0

Every description of Bookbinders' Material supplied.

MARBLE PAPERS.

	Foolscap. 13½ in. by 17 in.		Copy. 16½ in. by 20 in.		Medium. 18 in. by 22½ in.		Royal. 20 in. by 25 in.	
	Qr.	Rm.	Qr.	Rm.	Qr.	Rm.	Qr.	Rm.
Gold Veined	—	—	—	—	5/6	105/-	7/-	120/-
Best Old Dutch	4/6	80/-	5/6	90/-	6/6	106/-	7/3	125/-
Extra Antique	—	—	3/6	58/-	4/-	75/-	5/-	90/-
Best Antique	2/9	45/-	3/-	56/-	3/6	70/-	4/9	85/-
Super Antique	2/-	35/-	2/9	46/-	3/-	60/-	4/3	80/-
Best Nonpareil	2/6	48/-	3/3	60/-	3/6	65/-	4/9	85/-
Super Nonpareil	2/-	38/-	2/6	50/-	3/-	55/-	4/3	76/-
Fine Nonpareil	1/6	30/-	2/3	40/-	2/9	45/-	3/3	55/-
Curl	2/9	43/-	2/9	53/-	3/6	63/-	4/6	73/-
Extra Spanish	2/9	43/-	2/9	53/-	3/6	63/-	4/6	75/-
British	2/6	42/-	3/-	52/-	3/6	62/-	4/6	75/-
Best Spanish	2/-	37/-	2/9	47/-	3/-	57/-	4/-	67/-
Super Spanish	2/-	32/-	2/6	42/-	2/9	52/-	3/3	62/-
Fine or Common Spanish	1/2	20/-	1/9	30/-	2/3	40/-	2/9	50/-
West End	1/9	30/-	2/3	40/-	3/-	50/-	3/3	60/-
Italian	1/9	30/-	2/3	40/-	3/-	50/-	3/3	60/-
Best Grey or Storment	1/3	22/-	2/-	32/-	2/6	42/-	3/-	52/-
Fine Grey or Storment	1/-	20/-	1/9	30/-	2/-	40/-	2/6	48/-
Best Shell	1/3	22/-	2/-	32/-	2/6	42/-	3/-	52/-
Fine Shell	1/-	20/-	1/9	30/-	2/3	40/-	3/-	50/-
French	—	—	—	—	4/6	80/-	5/6	95/-

CHEAP QUALITY MARBLE PAPERS.

PRICE FOR UNBROKEN REAM.

	Medium. 18 in. by 22½ in.	D. Cap. 17 in. by 27 in.	Copy. 16½ in. by 20 in.	Royal. 19¾ in. by 25½ in.
Nonpareils	21/-	22/-	16/-	24/6
Nonpareil Antique	26/-	30/-	20/-	31/-
Spanish, Shell, and Storment	10/6	12/-	8/3	13/6
Spot Antique	34/-	36/-	27/-	38/-
Fancy Shell, Mottled, &c.	21/6	23/6	—	23/6
Gustave	—	—	—	28/6
Stout Nonpareil	26/-	28/6	20/-	30/-
Stout Spanish, Shell, and Storment	13/9	15/-	10/6	16/6

REVISED PRICES OF CAST

Brass Type and Handle Letters

FOR BOOKBINDERS.

Prices of Type are at per 100. Prices of Handle Letters are at per Set.

☛ Figures are not included in a set of 100 Brass Type, but if required should be ordered specially, 20 constituting a Set. A Set of Handle Letters consists of one of each letter, and one of each figure from 1 to 0, comma and full-point.

No.	Brass Type.	Handle Letters.	No.	Brass Type.	Handle Letters.	No.	Brass Type.	Handle Letters.	No.	Brass Type.	Handle Letters.	No.	Brass Type.	Handle Letters.
1	12/-	10/-	68	20/-	16/-	133	14/-	14/-	523	13/-	18/-	598	25/-	35/-
2	12/-	10/-	69	24/-	18/-	134	18/-	14/-	524	14/-	20/-	599	30/-	35/-
3	12/-	10/-	70	11/-	10/-	135	25/-	25/-	525	16/-	20/-	600	16/-	21/-
4	14/-	10/-	71	11/-	10/-	136	25/-	20/-	526	21/-	22/-	601	16/-	12/-
5	16/-	12/-	72	12/-	10/-	137	25/-	18/-	527	30/-	30/-	602	15/-	18/-
6	17/-	14/-	73	13/-	11/-	138	13/-	11/-	528	11/-	10/-	603	14/-	10/-
7	21/-	15/-	74	14/-	12/-	139	14/-	12/-	529	11/-	10/-	606	22/-	24/-
8	21/-	16/-	75	16/-	14/-	140	17/-	14/-	530	12/-	10/-	607	20/-	16/-
9	30/-	18/-	76	19/-	15/-	141	20/-	16/-	531	13/-	11/-	608	16/-	16/-
10	18/-	16/-	77	12/-	10/-	142	12/-	10/-	532	16/-	11/-	609	20/-	22/-
11	14/-	13/-	78	12/-	10/-	143	12/-	11/-	533	16/-	12/-	610	25/-	28/-
12	12/-	10/-	79	14/-	11/-	144	14/-	12/-	534	18/-	14/-	612	15/-	11/-
13	32/-	32/-	80	15/-	12/-	146	16/-	14/-	535	20/-	16/-	613	18/-	14/-
14	25/-	32/-	81	16/-	14/-	147	16/-	15/-	536	22/-	18/-	614	20/-	18/-
15	21/-	25/-	82	18/-	16/-	148	16/-	25/-	537	32/-	21/-	615	13/-	16/-
16	15/-	12/-	83	20/-	18/-	149	18/-	15/-	539	12/-	18/-	616	15/-	18/-
17	13/-	11/-	84	13/-	10/-	150	18/-	25/-	540	12/-	18/-	617	18/-	18/-
18	12/-	10/-	85	15/-	11/-	151	21/-	18/-	541	13/-	18/-	618	22/-	22/-
20	14/-	12/-	86	17/-	12/-	152	25/-	25/-	542	16/-	18/-	619	13/-	10/-
21	16/-	14/-	87	14/-	10/-	153	30/-	25/-	543	16/-	20/-	620	15/-	11/-
22	12/-	10/-	88	18/-	14/-	155	12/-	10/-	544	18/-	20/-	621	18/-	12/-
23	18/-	12/-	89	12/-	10/-	156	14/-	10/-	545	20/-	25/-	622	22/-	14/-
24	21/-	16/-	90	18/-	14/-	157	16/-	11/-	546	22/-	26/-	623	15/-	18/-
25	18/-	12/-	91	22/-	16/-	158	17/-	12/-	547	30/-	32/-	624	17/-	20/-
26	16/-	12/-	92	34/-	21/-	159	20/-	14/-	548	12/-	10/-	625	20/-	24/-
27	14/-	11/-	93	21/-	25/-	160	21/-	16/-	549	13/-	10/-	626	25/-	26/-
28	14/-	10/-	94	14/-	11/-	161	25/-	18/-	550	14/-	11/-	627	36/-	35/-
29	12/-	10/-	95	14/-	11/-	162	34/-	25/-	551	15/-	11/-	632	10/-	10/-
30	12/-	10/-	96	16/-	14/-	163	13/-	25/-	552	17/-	13/-	633	11/-	10/-
31	25/-	30/-	97	18/-	14/-	168	24/-	15/-	553	19/-	14/-	634	12/-	10/-
32	21/-	25/-	98	21/-	16/-	169	28/-	18/-	554	20/-	15/-	635	13/-	11/-
33	18/-	25/-	99	26/-	21/-	172	13/-	10/-	555	22/-	16/-	636	14/-	11/-
34	16/-	22/-	100	16/-	25/-	173	15/-	12/-	558	13/-	18/-	638	20/-	16/-
35	16/-	22/-	101	18/-	25/-	174	22/-	18/-	559	14/-	18/-	640	28/-	24/-
36	18/-	25/-	102	20/-	32/-	175	14/-	10/-	560	16/-	20/-	642	12/-	10/-
37	12/-	10/-	103	25/-	32/-	176	18/-	14/-	561	17/-	20/-	643	13/-	10/-
38	12/-	10/-	104	12/-	Set of	177	22/-	16/-	562	20/-	24/-	644	14/-	10/-
39	13/-	11/-			Dates	178	14/-	12/-	563	22/-	24/-	645	15/-	21/-
40	15/-	12/-	105	14/-	22/-	179	18/-	14/-	564	12/-	10/-	648	25/-	30/-
41	16/-	14/-	106	16/-	22/-	180	21/-	16/-	565	12/-	10/-	649	35/-	35/-
42	20/-	16/-	107	20/-	24/-	181	28/-	20/-	566	13/-	10/-	650	13/-	16/-
43	24/-	16/-	108	25/-	25/-	182	24/-	16/-	567	12/-	10/-	651	16/-	18/-
44	13/-	10/-	109	25/-	25/-	183	32/-	18/-	568	13/-	10/-	652	16/-	11/-
45	15/-	11/-	110	12/-	10/-	184	32/-	22/-	569	14/-	11/-	653	16/-	11/-
46	16/-	12/-	111	12/-	10/-	185	45/-	25/-	571	19/-	16/-	654	26/-	16/-
47	18/-	13/-	112	13/-	11/-	501	14/-	12/-	573	14/-	18/-	655	30/-	20/-
48	20/-	14/-	113	14/-	12/-	502	14/-	14/-	575	18/-	20/-	656	12/-	10/-
49	21/-	15/-	114	16/-	13/-	503	16/-	14/-	577	15/-	20/-	657	16/-	12/-
50	24/-	16/-	115	18/-	14/-	504	18/-	16/-	578	25/-	18/-	658	14/-	12/-
51	16/-	20/-	116	13/-	10/-	505	22/-	18/-	579	20/-	24/-	659	16/-	13/-
52	14/-	20/-	117	14/-	11/-	506	26/-	21/-	580	17/-	20/-	660	18/-	15/-
53	12/-	10/-	118	14/-	12/-	507	45/-	30/-	581	17/-	12/-	661	12/-	10/-
54	12/-	10/-	119	16/-	14/-	508	14/-	22/-	582	14/-	11/-	662	14/-	10/-
55	12/-	10/-	120	18/-	14/-	509	16/-	24/-	583	13/-	18/-	663	17/-	12/-
56	14/-	11/-	121	22/-	16/-	510	18/-	25/-	584	16/-	12/-	664	19/-	14/-
57	16/-	12/-	122	21/-	25/-	511	22/-	28/-	585	12/-	10/-	665	22/-	16/-
58	18/-	14/-	123	21/-	25/-	512	25/-	32/-	587	22/-	16/-	668	13/-	14/-
59	25/-	25/-	124	12/-	12/-	513	20/-	30/-	589	32/-	20/-	672	12/-	10/-
60	25/-	25/-	125	13/-	12/-	514	12/-	10/-	590	42/-	25/-	686	13/-	10/-
61	11/-	10/-	126	14/-	12/-	515	12/-	10/-	591	14/-	10/-	687	15/-	12/-
62	11/-	10/-	127	12/-	10/-	516	12/-	10/-	592	16/-	12/-	688	20/-	14/-
63	12/-	10/-	128	14/-	11/-	517	14/-	11/-	593	18/-	14/-	750	16/-	14/-
64	12/-	10/-	129	16/-	12/-	518	16/-	13/-	594	22/-	18/-	For other numbers		
65	13/-	10/-	130	16/-	13/-	519	21/-	14/-	595	30/-	20/-	see prices on same		
66	14/-	12/-	131	18/-	14/-	520	30/-	18/-	596	40/-	24/-	pages as specimen		
67	16/-	12/-	132	14/-	14/-	522	12/-	18/-	597	22/-	32/-	lines.		

SPECIMENS OF

Cast Brass Type and Handle Letters

(Type same height as ordinary Type.)

FOR BOOKBINDERS.

For Prices see Page 221.

528 CHRISTIANS
529 CHRISTIANS
530 CHRISTIANS
531 CHRISTIANS
532 CHRISTIAN
533 CHRISTIA
534 CHRIS
535 CHRIS
536 CHRIS
537 CHRI
148 MARGUERITE
150 MARGUERITE

1 CHEMISTRY
2 CHEMISTRY
3 CHEMISTRY
4 CHEMISTRY
5 CHEMISTR
6 CHEMIST
7 CHEMIS
8 CHEMI
9 CHEM
42 CHEMIS
43 CHEM
92 CHE

37 CHEMISTRY
38 CHEMISTRY
39 CHEMISTRY
40 CHEMISTR
41 CHEMIST
12 CHEMISTRY
20 CHEMISTR
11 CHEMISTR
21 CHEMIST
10 CHEMI
151 CHEMIST
152 CHEMI
153 CHRI

Brass Type—*continued.*

For Prices see Page 221.

127 CHEMISTRY
128 CHEMISTRY
129 CHEMISTRY
130 CHEMISTRY
131 CHEMISTRY
30 EXHIBITION
29 EXHIBITION
28 EXHIBITIO
27 EXHIBITI
26 EXHIBITIO
25 EXHIBI
61 CHEMISTRY
62 CHEMISTRY
63 CHEMISTRY
64 CHEMISTRY
65 CHEMISTRY
66 CHEMISTR
67 CHEMIS
68 CHEMI
69 CHE

110 CHEMISTRY
111 CHEMISTRY
112 CHEMISTRY
113 CHEMIST
114 CHEMIST
115 CHEMIS
93 Diction
116 CHEMISTRY
117 CHEMISTRY
118 CHEMISTRY
119 CHEMISTR
120 CHEMIST
121 CHEMIS
567 CHAPMISTOY
569 CHARM
571 CHAR
573 WONDERFUL
575 WOND

577 Delightfuy
579 Delight
77 CHEMISTRY
78 CHEMISTRY
79 CHEMISTRY
80 CHEMISTRY
81 CHEMISTR
82 CHEMIS
83 CHEMI
600 *Delightfus*
601 *STARLI*
606 *Machi*
607 *MAC*
149 CHEMISTR
147 CHEMISTRY
88 CHEMIST
104 31 APR 65

Brass Type—*continued.*

For Prices see Page 221.

178 CHEMIST

179 CHEM

180 CHEM

181 CHE

175 CHEMISTRY

176 CHEMISTR

177 CHEMIST

184 CHE

185 CHE

182 CHE

183 CHE

668 MONUMENTAL

672 MECHANICAL

658 MERCHANDISE

659 MERCHANDI

660 MERCHA

585 CHRONICAL

603 CHRONICAL

581 CHRONICA

583 Hagerston

602 Hagerston

580 Hagerston

656 MACHINERY

657 MACHINE

650 Machinery

651 Machinery

645 Machinery

173 CHEMIST

172 MILTON

652 HISTORY

653 HISTORY

654 HISTO

655 HISTO

661 CHELMSFORD

662 CHELMSFOR

663 CHELMSF

664 CHELMS

665 CHEL

174 CHEM

686 HISTORIAN

687 HISTOR

688 HISTI

Brass Type—*continued.*

For Prices see Page 221.

522 CHELMSFORD

523 CHELMSFORD

524 CHELMSFORD

525 CHELMSFOR

526 CHELMSF

527 CHELM

18 MILTON

17 MILTON

16 MILTON

70 CHEMISTRY

71 CHEMISTRY

72 CHEMISTRY

73 CHEMISTRY

74 CHEMISTR

75 CHEMIS

76 CHEM

599 Bosto

53 CHEMISTRY

54 CHEMISTRY

55 CHEMISTRY

56 CHEMIST

57 CHEMIST

58 CHEM

168 CHE

169 CHE

155 CHEMISTRY

156 CHEMISTRY

157 CHEMISTRY

158 CHEMIST

159 CHEMIST

160 CHEMI

161 CHEM

162 CHE

632 MERCHANDISE

633 MERCHANDIS

634 MERCHAN

635 MERCHAN

636 MERCHA

89 CHEMISTRY

87 CHEMISTR

90 CHEMIS

91 CHEMI

591 CHELMSFORD

592 CHELMSFO

593 CHELMSF

594 CHELMS

595 CHELM

596 CHEL

513 Boston

Brass Type—*continued.*

For Prices see Page 221.

124 CHEMISTRY

125 CHEMISTRY

126 CHEMISTRY

94 CHEMISTR

95 CHEMISTR

96 CHEMIS

97 CHEMI

98 CHEM

99 CHE

163 Dictionary

100 Dictionary

101 Dictiona

102 Diction

103 Dictio

132 CHEMISTRY

133 CHEMISTR

134 CHEMIST

137 CHEMIS

105 ADMIRALTY

106 EDUCATION

107 HEMISPHE

108 MECHA

109 CHEMIS

122 Mercantile

123 Mercantil

608 Chelmsfo

609 Chelmsfo

610 Chelm

612 CHELMS

613 CHEL

614 CHEL

597 America

598 Chicago

138 CHEMISTRY

139 CHEMISTR

140 CHEMIST

141 CHEMIS

580 Hagerston

581 CHORNIC

142 CHEMISTRY

143 CHEMISTRY

144 CHEMISTRY

146 CHEMISTRY

514 BEACONSFIELD

515 BEACONSFIELD

516 BEACONSFIELD

517 BEACONSFIE

518 BEACONSF

519 BEACON

520 BEAC

Brass Type—*continued.*

For Prices see Page 221.

623 CHELMSFORD

624 CHELMSFO

625 CHELMSFO

626 CHELMS

627 CHELM

619 MACHINE

620 MACHIN

621 MACHI

622 MAC

615 Christians

616 Christians

617 Christia

618 Chria

501 CHELMSF

502 CHELMS

503 CHELMS

504 CHEL

505 CHEL

506 CHE

507 CH

508 BEAUT

509 BEAUTY

510 BEAUTY

511 BEAU

512 BEAU

60 Diction

35 Mythological

34 Mythological

33 Mythological

32 Mythological

31 Mythologi

15 Philosophi

14 Philosop

13 Philos

84 CHEMISTRY

85 CHEMISTRY

86 CHEMIST

568 CHARMING

750 CHAIN

Brass Type—*continued.*

For Prices see Page 221.

539 HOUSEHOLD

540 HOUSEHOLD

541 HOUSEHOLD

542 HOUSEHOL

543 HOUSEHO

544 HOUSEH

545 HOUSE

546 HOUSE

547 HOUS

582 CHIMNEY

584 CHIMNE

587 CHIM

589 CHIM

590 CHI

564 MACHINERY

565 MACHINER

566 MACHINER

548 MACHINE

549 MACHIN

550 MACHIN

551 MACHI

552 MACHI

553 MACH

554 MAC

555 MAC

44 CHEMIST

45 CHEMIS

46 CHEMI

47 CHEMI

48 CHEM

49 CHE

50 CHE

558 MACHINER

559 MACHIN

560 MACHI

561 MACHI

562 MACH

563 MACH

52 Dictionary

51 Dictionar

36 Dictionar

59 Diction

22 CHEMISTRY

23 CHEMISTRY

24 CHEMISTR

135 Dictionar

136 CHEMIS

Brass Type—*continued.*

For Prices see Page 221.

648 Christa

649 Chris

642 CHRISTIANS

644 CHRISTIANS

578 CHR

638 MACHINERY

640 MACHINE

No.		Brass Type per 100.	Handle Letters per set
119*a*	Merchandise	16/-	26/-
120*a*	Merchandise	17/-	28/-
121*a*	Merchandise	19/-	32/-
122*a*	Merchandise	21/-	35/-
123*a*	Merchandise	25/-	40/-
124*a*	Merchandise	35/-	45/-
147*a*	HUNTINGDONSHIRE	12/-	12/-
148*a*	HUNTINGDONSHIRE	13/-	12/6
149*a*	HUNTINGDONSHIRE	14/-	13/-
150*a*	HUNTINGDONSHIRE	15/-	14/-
151*a*	HUNTINGDONSHIRE	16/-	16/-
152*a*	HUNTINGDONSHIRE	18/-	17/-
153*a*	HUNTINGDONSHIRE	21/-	19/-
154*a*	HUNTINGDONSHIRE	25/-	20/-

Brass Type—*continued.*

No.		Brass Type per 100.	Handle Letters per set.
185*a*	HUNTINGDONSHIRE	14/-	14/-
186*a*	HUNTINGDONSHIRE	16/-	16/-
187*a*	HUNTINGDONSHIRE	18/-	18/6
188*a*	HUNTINGDONSHIRE	25/-	25/-
189*a*	HUNTINGDONSHIRE	15/-	14/-
190*a*	HUNTINGDONSHIRE	18/-	16/-
191*a*	HUNTINGDONSHIRE	22/-	18/6
192*a*	HUNTINGDONSHIRE	25/-	25/-
32*c*	CHRISTIANS	16/-	18/-
33*c*	CHRISTIANS	18/-	19/-
34*c*	CHRISTIANS	25/-	21/-
35*c*	CHRISTIANS	32/-	26/6
36*c*	CHRISTIANS	50/-	31/6

Brass Type—*continued.*

No.		Brass Type per 100.	Handle Letters per set.
37c	CHRISTIANS	14/-	14/-
38c	CHRISTIANS	15/-	15/-
39c	CHRISTIANS	16/-	15/-
40c	CHRISTIANS	18/-	16/-
41c	CHRISTIANS	24/-	19/-
42c	CHRISTIANS	32/-	23/6
66c	Christians	14/-	21/-
67c	Christians	16/-	23/6
68c	Christians	18/-	27/6
69c	Christians	21/-	29/6
70c	Christians	30/-	33/-
71c	Christians	45/-	40/-
72c	Historians	14/-	23/6
73c	Historians	16/-	25/6
74c	Historians	18/-	29/6
75c	Historians	21/-	31/6
76c	Historians	30/-	35/-
77c	Historians	45/	42/-

Brass Type—*continued.*

No.		Brass Type per 100.	Handle Letters per set.
133c	CHRISTIANS	13/-	14/-
134c	CHRISTIANS	14/-	14/-
135c	CHRISTIANS	14/-	14/-
136c	CHRISTIANS	16/-	14/-
137c	CHRISTIANS	18/-	18/-
138c	CHRISTIANS	20/-	21/-
139c	CHRISTIANS	24/-	23/6
140c	CHRISTIANS	35/-	31/6
141c	CHRISTIANS	14/-	14/-
142c	CHRISTIANS	14/-	14/-
143c	CHRISTIANS	16/-	16/-
144c	CHRISTIANS	18/-	18/-
145c	CHRISTIAN	22/-	21/-
146c	CHRISTIA	28/-	26/6
147c	CHISTY	50/-	35/-

Brass Type—*continued.*

No.		Brass Type per 100.	Handle Letters per set.
184 *c*	*Christians*	22/-	—
185 *c*	*Christians*	25/-	—
186 *c*	MANCHESTER	13/-	14/-
187 *c*	MANCHESTER	13/-	15/-
188 *c*	MANCHESTER	14/-	15/-
189 *c*	MANCHESTER	16/-	18/-
190 *c*	MANCHESTER	18/-	19/-
191 *c*	MANCHESTER	20/-	22/6
192 *c*	MANCHESTER	13/-	15/-
193 *c*	MANCHESTER	14/-	15/-
194 *c*	MANCHESTER	16/-	18/-
195 *c*	MANCHESTER	18/-	19/-
196 *c*	MANCHESTER	20/-	21/-
259 *c*	Christians	16/-	29/6
260 *c*	Christians	22/-	31/6
261 *c*	Christians	30/-	36/6
262 *c*	Christians	40/-	42/-

Brass Type—*continued.*

No.		Brass Type per 100.	Handle Letters per set.
88c	HISTORIAN	13/-	14/-
89c	HISTORIAN	14/-	14/-
90c	HISTORIAN	16/-	14/-
91c	HISTORIAN	18/-	15/-
92c	HISTORIAN	25/-	17/-
93c	HISTORIAN	35/-	19/-
94c	HISTORIAN	45/-	31/6
209c	Monarchies		
210c	Monarchies		
211c	Monarchies		
212c	Monarchies		
213c	Monarchies		
214c	Monarchies		
215c	Monarchies		
130c	CHRISTIANS	13/-	14/-
131c	CHRISTIANS	13/-	14/-
132c	CHRISTIANS	14/-	14/-

Brass Type—*continued.*

No.		Brass Type per 100.	Handle Letters per set.
263c	Christians	14/-	25/6
264c	Christians	16/-	26/6
265c	Christians	17/-	27/6
266c	Christians	20/-	29/6
267c	Christians	24/-	31/6
268c	Christians	28/-	32/-
269c	Christians	35/-	35/-
270c	Christians	42/-	38/-
271c	Christians	50/-	42/-
272c	Christian	60/	50/-

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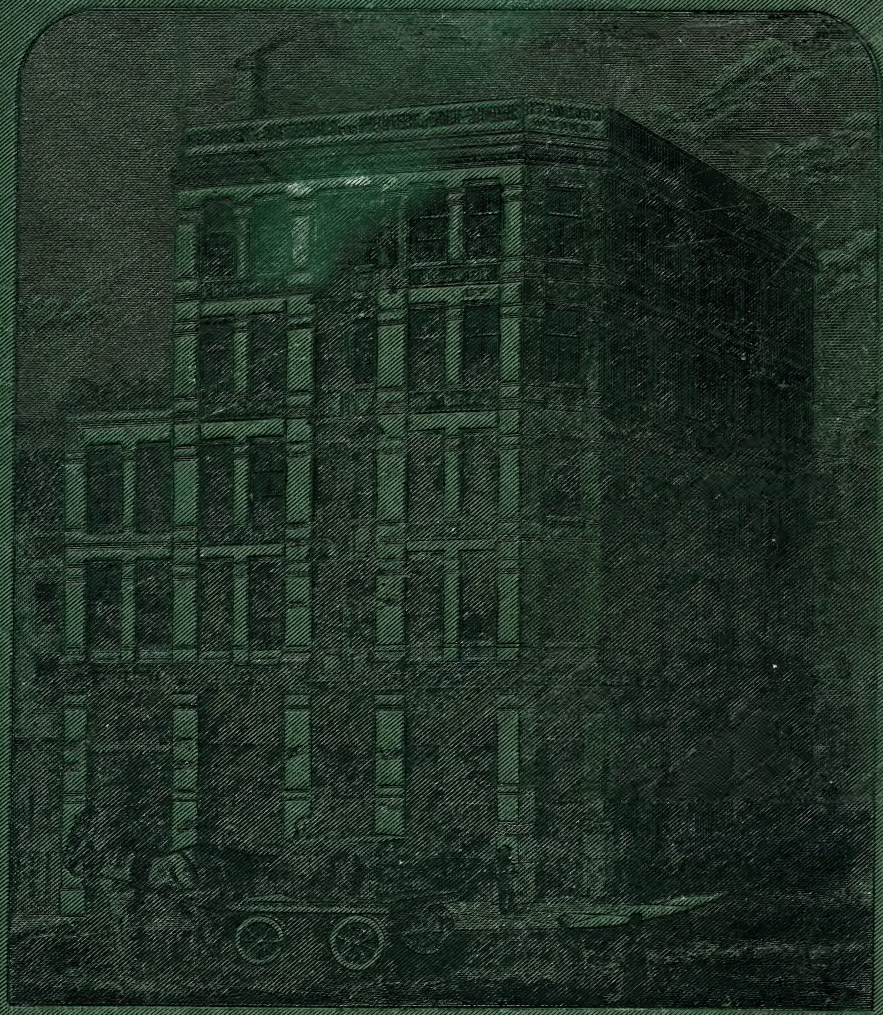


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